Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptau122ebb

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	OCT 04	Removal of Pre-IPC 8 data fields streamlines displays in USPATFULL, USPAT2, and USPATOLD.
NEWS 3	OCT 04	Precision of EMBASE searching enhanced with new chemical name field
NEWS 4	OCT 06	Increase your retrieval consistency with new formats or for Taiwanese application numbers in CA/CAplus.
NEWS 5	OCT 21	CA/CAplus kind code changes for Chinese patents increase consistency, save time
NEWS 6	OCT 22	New version of STN Viewer preserves custom highlighting of terms when patent documents are saved in .rtf format
NEWS 7	OCT 28	INPADOCDB/INPAFAMDB: Enhancements to the US national patent classification.
NEWS 8	NOV 03	New format for Korean patent application numbers in CA/CAplus increases consistency, saves time.
NEWS 9	NOV 04	Selected STN databases scheduled for removal on December 31, 2010
NEWS 10	NOV 18	PROUSDDR and SYNTHLINE Scheduled for Removal December 31, 2010 by Request of Prous Science
NEWS 11	NOV 22	Higher System Limits Increase the Power of STN Substance-Based Searching
NEWS 12	NOV 22	Enjoy a free month of INPADOCDB/INPAFAMDB SDIs!
NEWS 13	NOV 24	Search an additional 46,850 records with MEDLINE backfile extension to 1946
NEWS 14	DEC 14	New PNK Field Allows More Precise Crossover among STN Patent Databases
NEWS 15	DEC 18	ReaxysFile available on STN
NEWS 16	DEC 21	CAS Learning Solutions -- a new online training experience
NEWS 17	DEC 22	Value-Added Indexing Improves Access to World Traditional Medicine Patents in CAplus

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:47:15 ON 30 DEC 2010

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 16:48:04 ON 30 DEC 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 DEC 2010 HIGHEST RN 1257902-38-7
DICTIONARY FILE UPDATES: 29 DEC 2010 HIGHEST RN 1257902-38-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

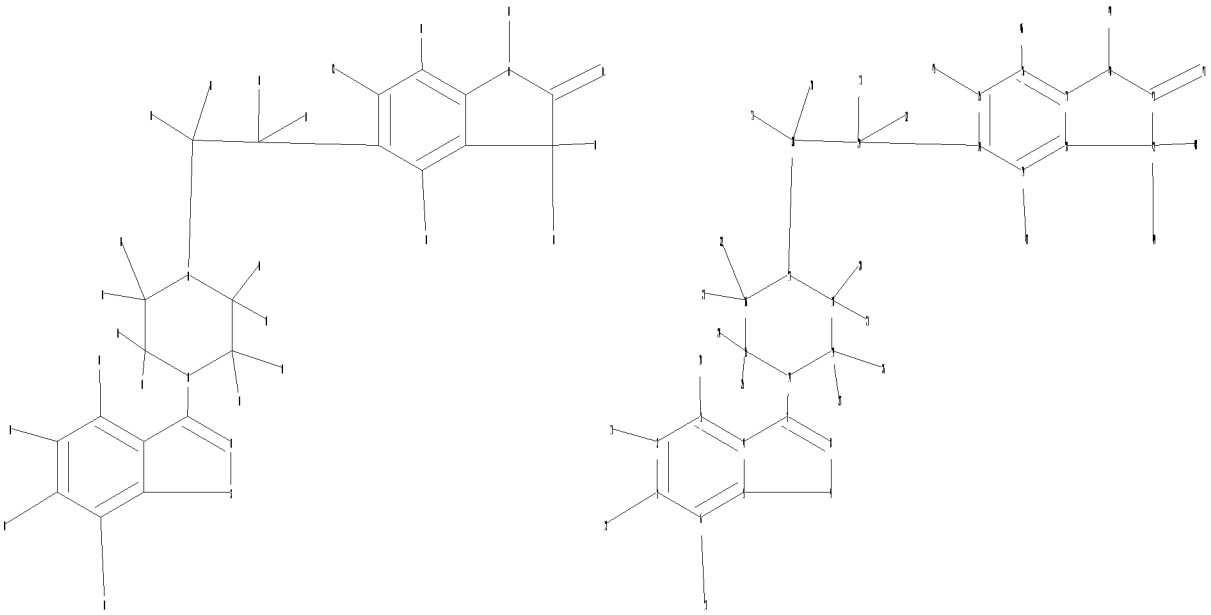
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\EBernhardt\My Documents\Stnexp\Queries\10598370.str



chain nodes :
10 11 12 13 20 21 22 23 24 25 26 27 28 29 30 31 32 33 43 44 45 46 47 48 49
ring nodes :
1 2 3 4 5 6 7 8 9 14 15 16 17 18 19 34 35 36 37 38 39 40 41 42
chain bonds :
1-12 2-11 3-10 6-13 7-14 15-24 15-25 16-22 16-23 17-28 18-20 18-21 19-26 19-27 28-29 28-30 28-31 29-32 29-33 29-34 35-45 36-46 39-47 40-44 41-43 42-48 42-49
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 14-15 14-19 15-16 16-17 17-18 18-19 34-35 34-39 35-36 36-37 37-38 37-40 38-39 38-42 40-41 41-42
exact/norm bonds :
4-7 5-9 7-8 7-14 8-9 14-15 14-19 15-16 16-17 17-18 17-28 18-19 37-40 38-42 40-41 41-42 41-43
exact bonds :
1-12 2-11 3-10 6-13 15-24 15-25 16-22 16-23 18-20 18-21 19-26 19-27 28-29 28-30 28-31 29-32 29-33 29-34 35-45 36-46 39-47 40-44 42-48 42-49
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 34-35 34-39 35-36 36-37 37-38 38-39

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:Atom 41:Atom 42:Atom 43:CLASS 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 49:CLASS

```
L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 16:48:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       11 TO ITERATE

100.0% PROCESSED       11 ITERATIONS                                5 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           22 TO      418
PROJECTED ANSWERS:               5 TO      234

L2            5 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 16:48:36 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      193 TO ITERATE

100.0% PROCESSED      193 ITERATIONS                              75 ANSWERS
SEARCH TIME: 00.00.01

L3           75 SEA SSS FUL L1

=> s l3 and nc>1
       6414671 NC>1
L4          57 L3 AND NC>1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                             197.53     197.75

FILE 'CAPLUS' ENTERED AT 16:49:13 ON 30 DEC 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 30 Dec 2010  VOL 154 ISS 1
FILE LAST UPDATED: 29 Dec 2010  (20101229/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Aug 2010
```

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

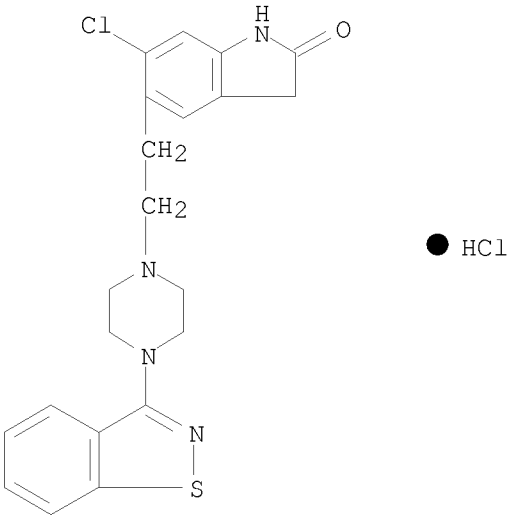
CAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

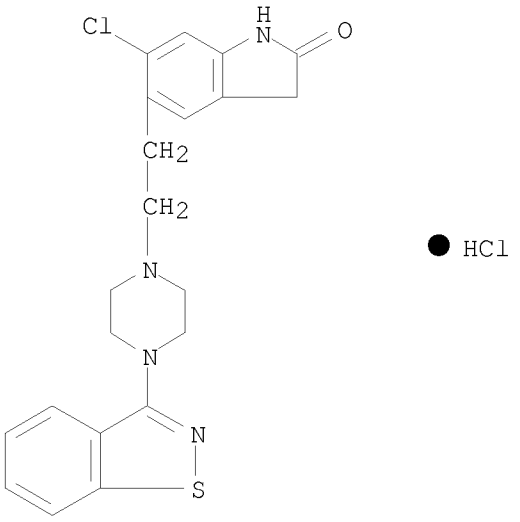
```
=> s l3
L5        1253 L3

=> s l5 and( pure or purity)/ab,bi
          510256 PURE/AB
          537952 PURE/BI
          194214 PURITY/AB
          215236 PURITY/BI
L6            28 L5 AND( PURE OR PURITY)/AB,BI

=> d l6 1-28 bib abs hitstr

L6   ANSWER 1 OF 28  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   2010:1588960  CAPLUS
TI   Novel visible spectrophotometric methods for estimation of Ziprasidone in
     pharmaceutical formulations
AU   Sreelakshmi, A.; Rao, G.; Babu, G. Sudhakara Sai
CS   Department Of Biotechnology, Montessori Mahila Kalasala, Vijayawada,
     520010, India
SO   Journal of Ultra Chemistry (2010), 6(2), 123-128
     CODEN: JUCOAL; ISSN: 0973-3450
PB   Journal of Ultra Chemistry
DT   Journal
LA   English
AB   Ziprasidone is a typical antipsychotic agent.  Two simple, sensitive and
     accurate spectrophotometric methods were developed for the determination of
     ziprasidone hydrochloride (ZPD) in pure state and in its
     pharmaceutical formulations.  The developed method A is based on the
     reaction of the drug with 3-methyl-2-benzothiazolinone hydrazone in the
     presence of ferric chloride to form a colored species with λmax 640
     nm and linearity in the range of 8-56 μg/mL.  Method B involves ion
     association complex formation of the drug with methyl orange.  The developed
     chromogen in Method B shows maximum absorption at λmax 420 nm and
     Linearity in the range of 3-15 μg/mL.  The results obtained were
     statistically evaluated and were found to be accurate and reproducible.
IT   122883-93-6, Ziprasidone hydrochloride
     RL: ANT (Analyte); ANST (Analytical study)
        (visible spectrophotometric methods for determination of ziprasidone in
        pharmaceutical formulations)
RN   122883-93-6  CAPLUS
CN   2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-
     chloro-1,3-dihydro-, hydrochloride (1:1)  (CA INDEX NAME)
```



L6 ANSWER 2 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:1392829 CAPLUS
DN 153:651821
TI Development and validation of a rapid RP-HPLC method for the estimation of Ziprasidone Hydrochloride Monohydrate in bulk and its capsule dosage forms
AU Chudasama, J. D.; Channabasavaraj, K. P.; Pandya, C. B.; Mani, T. T.
CS Department of Pharmaceutical Analysis, Bharathi College of Pharmacy, 571422, India
SO International Journal of Pharmaceutical Sciences Review and Research (2010), 4(3), 193-197
CODEN: IJPSRR; ISSN: 0976-044X
URL: http://globalresearchonline.net/journalcontents/volume4issue3/Article%20031.pdf
PB Global Research Online
DT Journal; (online computer file)
LA English
AB A rapid and sensitive Reverse Phase High Performance Liquid Chromatog. [RP-HPLC] method was developed for the determination of ziprasidone HCl monohydrate [ZHM] in pure and its capsule dosage forms. The method was validated as per International Conference on Harmonization [ICH] guidelines. YMC C18 column (150 + 4.6mm, 3μm) was used with a mobile phase containing a mixture of phosphate buffer (pH-3) and methanol in the ratio of 60:40% volume/volume The anal. was performed with run time of 5 min at a flow rate of 1ml/min. The effluents were monitored at 219nm with UV detection and ZHM was eluted at 2.750min. The method was linear (r2 = 0.9999) at concentration ranging from 10 to 50μg/mL, precise (intra-day relative standard deviation [RSD] and inter-day RSD values < 1.0%), accurate (mean recovery = 100.08%), specific and robust. Detection and quantification limits were 0.002 and 0.007μg/mL, resp. The results showed that the proposed method is suitable for the precise, accurate and rapid determination of ZHM in bulk, its capsule dosage forms and dissoln. samples of capsules.
IT 138982-67-9, Ziprasidone hydrochloride monohydrate

RL: ANT (Analyte); ANST (Analytical study)
(development and validation of rapid RP-HPLC method for determination of ziprasidone hydrochloride monohydrate in bulk and its capsule dosage forms)
RN 138982-67-9 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

H_2O

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:1348122 CAPLUS
DN 153:627088
TI Ziprasidone hydrochloride with new crystal form and its preparation method
IN Jung, Yong Ho; Jung, Chun Won; Lee, Jung U.; Lee, Yun Seung; Kim, Gyeong Cheol; Kang, Byeong Gyu
PA Hwail Pharmaceutical Co., Ltd., S. Korea
SO Repub. Korea, 11pp.
CODEN: KRXXFC
DT Patent
LA Korean
FAN.CNT 1

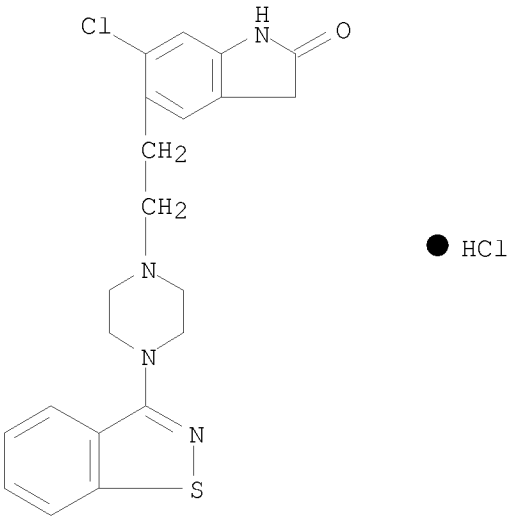
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI KR 989389	B1	20101025	KR 2010-56668	20100615
PRAI KR 2010-56668		20100615		

AB The title method for preparing crystalline ziprasidone hydrochloride (1.5 hydrate)

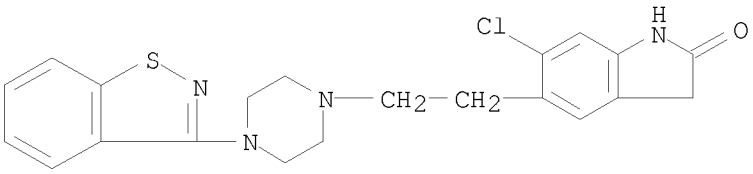
comprises recrystg. ziprasidone base in solvent containing 1-methyl-2-pyrrolidone or DMSO, feeding the recrystd. ziprasidone base to a solvent selected from tert-Bu Me ether, Bu Me ether, sec-Bu Me ether and their mixture in the presence of aqueous hydrochloric acid to prepare slurry, and
obtaining crystalline ziprasidone hydrochloride (1.5 hydrate) from the slurry at 5-10°C. The prepared compound has characteristic peaks (shown with 2θ) at about 7.4, 10.8, 13.0, 14.8, 18.0, 21.7, 23.3, 24.3, and 25.9±0.2° in an XRD diffraction pattern, and m.p. of 287-289°C, starts melting and decomposition at about 282°C, and is completely degraded at 293°C in a DSC (differential scanning calorimetry) graph. The compound has purity of 99.5%, high stability, good fluidity, and little electrostatic generation.

IT 122883-93-6P, Ziprasidone hydrochloride 845275-28-7P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation of crystalline ziprasidone hydrochloride)

RN 122883-93-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



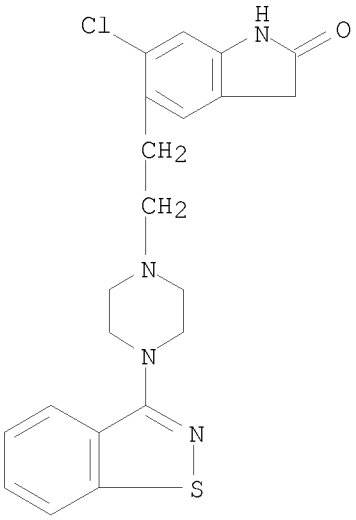
RN 845275-28-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (2:2:3) (CA INDEX NAME)



● HCl

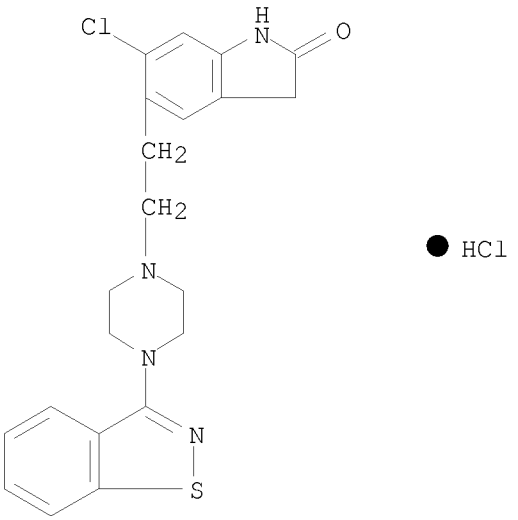
● 3/2 H_2O

IT 146939-27-7P, Ziprasidone
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of crystalline ziprasidone hydrochloride)
RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



L6 ANSWER 4 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:1162593 CAPLUS
DN 153:368665
TI Visible spectrophotometric methods for estimation of ziprasidone in pharmaceutical dosage forms
AU Sreelakshmi, A.; Rao, G. Devala; Sai Babu, G. Sudhakara
CS Department of Biotechnology, Montessori Mahila Kalasala, Vijayawada, 520 010, India

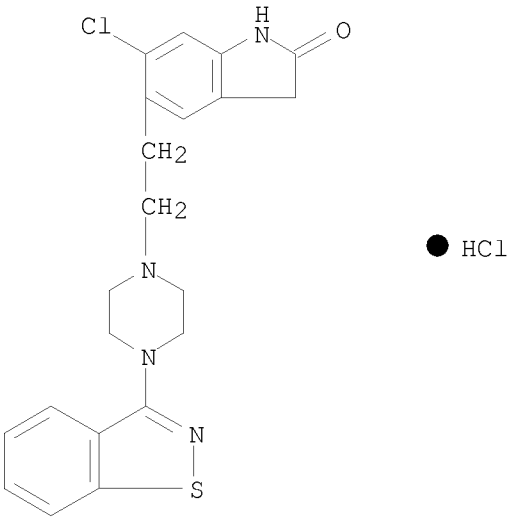
SO Journal of Chemical and Pharmaceutical Sciences (2010), 3(3), 154-156
CODEN: JCPSFB; ISSN: 0974-2115
PB Journal of Chemical and Pharmaceutical Sciences
DT Journal
LA English
AB Ziprasidone is a typical antipsychotic agent. Two simple, sensitive and accurate spectrophotometric methods were developed for the determination of ziprasidone hydrochloride (ZPD) in pure state and in its pharmaceutical formulations. The developed Method A is based on the oxidation of the drug with Fe(III) and subsequent chelation of Fe(II) produced with 2,21 Bipyridyl to produce colored chromogen having maximum absorption at λmax 510 nm and linearity in the range of 40-200 μg/mL. Method B involves oxidation followed by complex formation of the drug with bathophenanthroline and it exhibits maximum absorption at λmax 630 nm; linearity in the range of 4-20 μg/mL. The results obtained were statistically evaluated and were found to be accurate and reproducible.
IT 122883-93-6, Ziprasidone hydrochloride
RL: ANT (Analyte); ANST (Analytical study)
(ziprasidone HCl in pharmaceuticals determined by visible spectroscopy)
RN 122883-93-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:1024987 CAPLUS
DN 153:270088
TI Determination of ziprasidone in bulk and pharmaceutical dosage forms
AU Sreelakshmi, A.; Devala Rao, G.; Sudhakara Sai Babu, G.
CS Department Of Biotechnology, Montessori Mahila Kalasala, Vijayawada, 520 010, India
SO Journal of Ultra Chemistry (2010), 6(1), 118-122
CODEN: JUCOAL; ISSN: 0973-3450

PB Journal of Ultra Chemistry
DT Journal
LA English
AB Ziprasidone is a typical antipsychotic agent. Two simple, sensitive and accurate spectrophotometric methods were developed for the determination of ziprasidone hydrochloride (ZPD) in pure state and in its pharmaceutical dosage forms. The developed Method A is based on the formation of picrate salt between picric acid and free base of ziprasidone and it shows maximum absorption at λ max 400 nm and linearity in the range of 4-20 μg/mL. Method B involves reaction between free base of ziprasidone and chloranilic acid. The developed chromogen in Method B shows maximum absorption at λ max 520 nm and linearity in the range of 16-36 μg/mL. The results obtained were statistically evaluated and were found to be accurate and reproducible.
IT 122883-93-6, Ziprasidone hydrochloride
RL: ANT (Analyte); ANST (Analytical study)
(ziprasidone hydrochloride in pharmaceuticals determined by UV-vis. spectroscopy)
RN 122883-93-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:814973 CAPLUS
DN 153:174998
TI Process for the preparation of ziprasidone and its acid salts
IN Shah, Niraj Shyamlal; Dwivedi, Shriprakash Dhar
PA Cadila Healthcare Limited, India
SO PCT Int. Appl., 24pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2010073255	A1	20100701	WO 2008-IN858	20081223

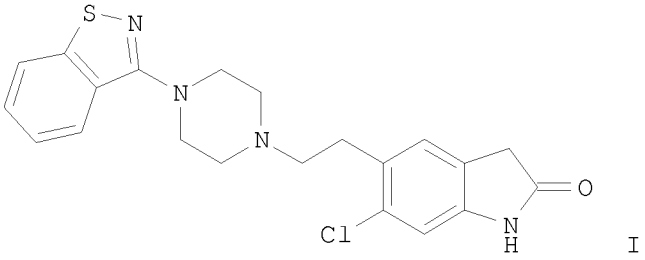
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI WO 2008-IN858 20081223

OS CASREACT 153:174998

GI



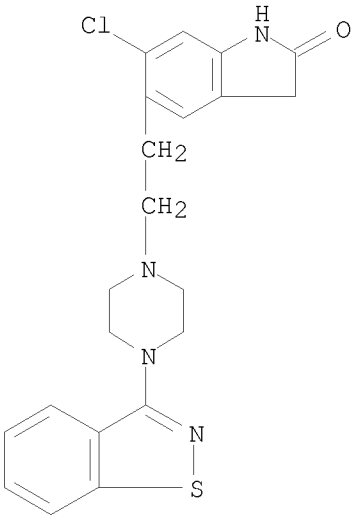
I

AB The invention relates to an improved process for preparing ziprasidone (I) and its acid salts. The invention particularly provides a method for purifying ziprasidone base thereby providing substantially pure ziprasidone and its acid salts and hydrates. Ziprasidone (I) was prepared by alkylation of 3-(1-piperazinyl)-1,2-benzisothiazole hydrochloride with 6-(chloro)-5-(2-chloroethyl)oxindole. Furthermore ziprasidone was converted to ziprasidone hydrochloride monohydrate by addition of HCl.

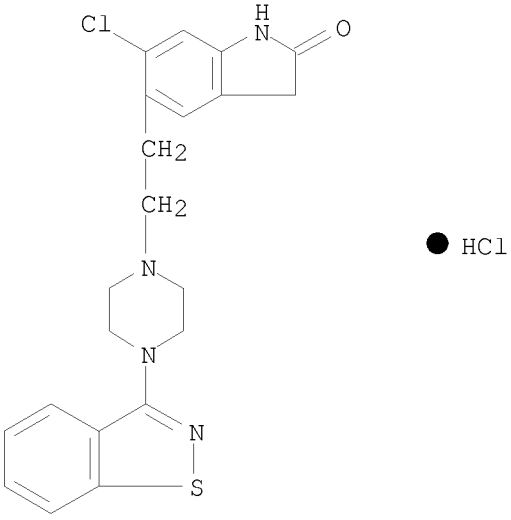
IT 146939-27-7P, Ziprasidone
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for the preparation of ziprasidone hydrochloride salt via N-alkylation of benzoisothiazolylpiperazine hydrochloride with chloro(chloroethyl)oxindole followed by addition of HCl)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)

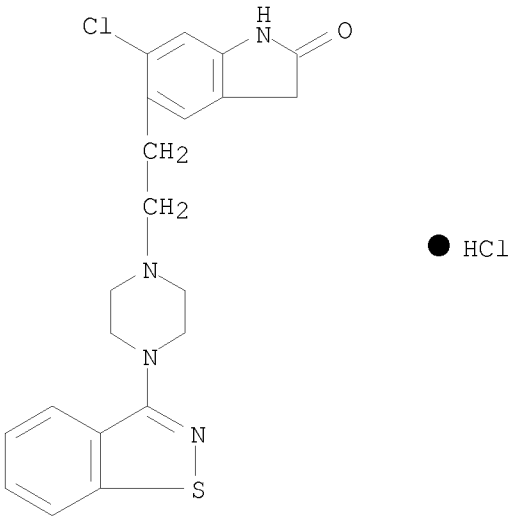


IT 122883-93-6P, Ziprasidone hydrochloride 138982-67-9P
, Ziprasidone hydrochloride monohydrate
RL: SPN (Synthetic preparation); PREP (Preparation)
(process for the preparation of ziprasidone hydrochloride salt via N-alkylation of benzoisothiazolylpiperazine hydrochloride with chloro(chloroethyl)oxindole followed by addition of HCl)
RN 122883-93-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RN 138982-67-9 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

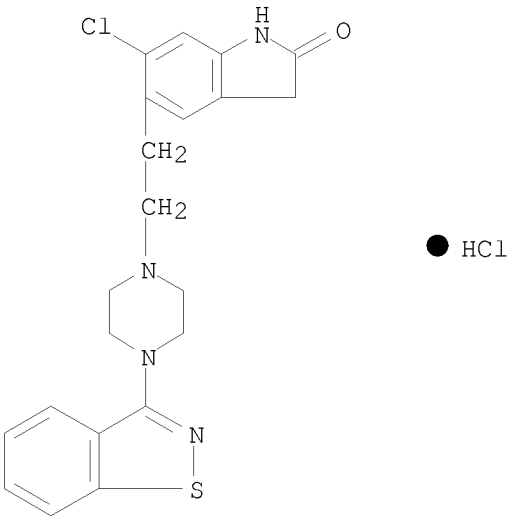
● H_2O

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:358761 CAPLUS
TI New visible spectrophotometric methods for estimation of ziprasidone in pharmaceutical formulations
AU Sreelakshmi, A.; Devala Rao, G.; Sudhakara Sai Babu, G.
CS Department of Biotechnology, Montessori Mahila Kalasala, Andhra Pradesh, 520 010, India
SO Journal of Ultra Chemistry (2009), 5(3), 422-426
CODEN: JUCOAL; ISSN: 0973-3450
PB Journal of Ultra Chemistry
DT Journal
LA English
AB Ziprasidone is a typical antipsychotic agent. Two simple, sensitive and accurate spectrophotometric methods have been developed for the determination of ziprasidone hydrochloride (ZPD) in pure state and in its pharmaceutical formulations. The developed Method A is based on the diazocoupling reaction of the Brotton-Marshall's reagent with drug and it shows maximum absorption at max 540 nm; linearity in the range of 2-10 μg/mL. Method B is based on the reaction between drug and 1, 10-phenanthroline with ferric chloride and orthophosphoric acid to form a colored chromogen and it shows maximum absorption at λmax 520 nm and linearity in the range of 4-20 μg/mL. The results obtained were statistically evaluated and were found to be accurate and reproducible.
IT 122883-93-6, Ziprasidone hydrochloride
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL

(Biological study); USES (Uses)
(simple, sensitive and accurate visible spectrophotometric method was effective for estimation of ziprasidone hydrochloride in pharmaceutical formulation and bulk drug)

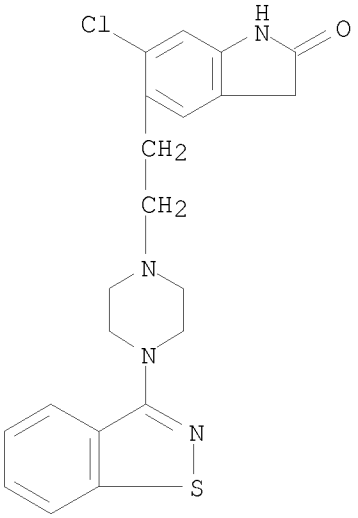
RN 122883-93-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2010:135631 CAPLUS
DN 152:177366
TI High performance liquid chromatographic estimation of ziprasidone in pharmaceutical dosage forms
AU Prasanthi, N. L.; Rama Rao, N.
CS Chalapathi Institute of Pharmaceutical Sciences, Guntur, 522034, India
SO International Journal of Pharmacy and Pharmaceutical Sciences (2010), 2(Suppl. 1), 120-122
CODEN: IJPPKB; ISSN: 0975-1491
URL: http://www.ijppsjournal.com/Vol2Suppl1/421.pdf
PB International Journal of Pharmacy and Pharmaceutical Sciences
DT Journal; (online computer file)
LA English
AB A simple, sensitive and rapid reverse phase high performance liquid chromatog. method was developed for the estimation of ziprasidone HCl (ZPR) in pure and in pharmaceutical dosage forms. Phenomex C18 column (250 + 4.6 mm, 5 μ) was used with a mobile phase containing a mixture of 0.02 M KH2PO4 (pH-3), methanol and aetonitrile in the ratio of 40:30:30. The flow rate was 1.5 mL/min and effluents were monitored at 219 nm and eluted at 3.37 min. Calibration curve was plotted with a range from 10-50 μg/mL. The assay was validated for the parameters like accuracy, precision, robustness, and system suitability parameters. The proposed method can be useful in the routine anal. for the determination of ziprasidone in

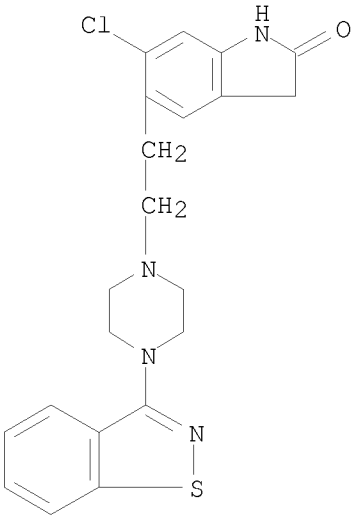
pharmaceutical dosage forms.
IT 146939-27-7, Ziprasidone
RL: ANT (Analyte); ANST (Analytical study)
(RP-HPLC determination of ziprasidone in pharmaceutical dosage forms)
RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2009:1022000 CAPLUS
DN 151:230287
TI Stability indicating methods for determination of ziprasidone hydrochloride
AU Abbas, Samah Sayed; Zaazaa, Hala El-Sayed; El-Ghobashy, Mohamed Refaat; Fayez, Yasmin Mohammed; abdel Fattah, Soheir
CS Analytical Chemistry Department, Faculty of Pharmacy, Cairo University, Cairo, 11562, Egypt
SO Analytical Chemistry: An Indian Journal (2009), 8(2), 255-264
CODEN: ACNHAY; ISSN: 0974-7419
PB Trade Science Inc.
DT Journal
LA English
AB The development and validation of a quant. anal. method for determination of Ziprasidone Hydrochloride (ZIP) in pure form and pharmaceutical product using ratio subtraction, first derivative ratio, TLC-densitometry and multivariate calibration techniques were presented. The proposed methods are accurate, precise, sensitive, and selective and can be used in quality control labs.
IT 146939-27-7, Ziprasidone
RL: ANT (Analyte); ANST (Analytical study)
(determination of ziprasidone by TLC)
RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2008:126376 CAPLUS
DN 148:175836
TI Methods and compositions of gene delivery to epithelial cells through bile acid peptide conjugate delivery agents for systemic and local therapy
IN Hilfinger, John; Kish, Phillip; Roessler, Blake
PA USA
SO U.S. Pat. Appl. Publ., 49pp., Cont.-in-part of U.S. Ser. No. 706,738.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20080026077	A1	20080131	US 2006-608370	20061208
	US 20050026859	A1	20050203	US 2003-706738	20031112
PRAI	US 2002-425379P	P	20021112		
	US 2003-706738	A2	20031112		
	US 2005-748390P	P	20051208		

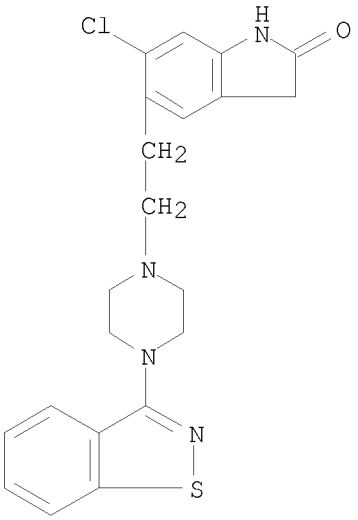
OS MARPAT 148:175836
AB A method is provided for the delivery of a therapeutic to epithelial cells through the use of a bile acid conjugated to a peptide, the peptide being ionically charged at physiol. pH. The complex is well suited for oral and other forms of therapeutic administration of therapeutic drugs known in the art in order to exact systemic and/or localized effect. Intestinal epithelial cells, as well as non-epithelial cells within the gastrointestinal tract and other target cells receive with greater efficiency a charged therapeutic when delivered with an oppositely charged bile acid conjugate (BAC) through oral administration, direct injection, or infusive administrations, thereby increasing bioavailability. Thus,

BAC was synthesized by solid phase chemical: a six L-arginine peptide was first synthesized on the resin bed using standard 9-fluorenylmethoxycarbonyl (FMOC) chemical To attach the bile acid salt, an excess of chendoxycholic acid was added to the resin and allowed to react with the immobilized peptide; after conjugation, the N-hexapeptide chenoxycholamide BAC was cleaved from the resin and purified to greater than 95% purity by HPLC.

IT 146939-27-7, Ziprasidone
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(methods and compns. of gene delivery to epithelial cells through bile acid peptide conjugate delivery agents for systemic and local therapy)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



L6 ANSWER 11 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2007:1278487 CAPLUS

DN 147:502394

TI Novel process for production of 5-{2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]-ethyl}-6-chloro-1,3-dihydro-2h-indol-2-one (ziprasidone)

IN Neu, Joszef; Toerley, Joszef; Garadnay, Sandor

PA Richter Gedeon Nyrt., Hung.

SO PCT Int. Appl., 10 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2007125374	A2	20071108	WO 2007-HU38	20070502
WO 2007125374	A3	20080103		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK,

MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

HU	2006000347	A2	20080929	HU 2006-347	20060502
HU	2006000347	A3	20081028		
CA	2649374	A1	20071108	CA 2007-2649374	20070502
EP	2013203	A2	20090114	EP 2007-733855	20070502

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS

CN	101437817	A	20090520	CN 2007-80015835	20081031
US	20090111988	A1	20090430	US 2008-298590	20081124
IN	2008KN04825	A	20090320	IN 2008-KN4825	20081128
PRAI HU	2006-347	A	20060502		
WO	2007-HU38	W	20070502		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

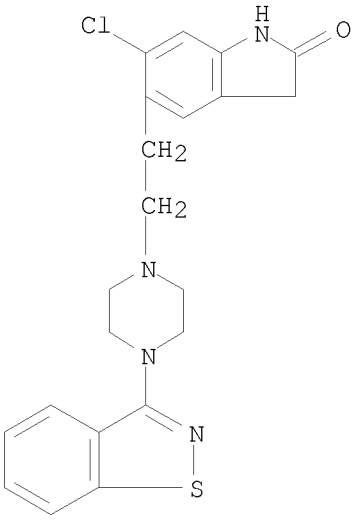
OS CASREACT 147:502394

AB The present invention provides a novel, industrially easily realisable and economically preferable process for production of pure 5-{2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]-ethyl}-6-chloro-1,3-dihydro-2H-indol-2-one i.e., ziprasidone hydrochloride. According to the invention the intermediate compound 5-(2-bromoethyl)-6-chloro-1,3-dihydro-2H-indol-2-one is produced from 5-(2-bromoacetyl)-6-chloro-1,3-dihydro-2H-indole-2-one. The highly pure ziprasidone base is obtained in the reaction of 3-piperazinyl-1,2-benzisothiazol with 5-(2-bromoethyl)-6-chloro-1,3-dihydro-2H-indol-2-one in an organic solvent or organic solvent mixture

IT 146939-27-7P, 5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of 5-{2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]-ethyl}-6-chloro-1,3-dihydro-2h-indol-2-one (ziprasidone))

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)

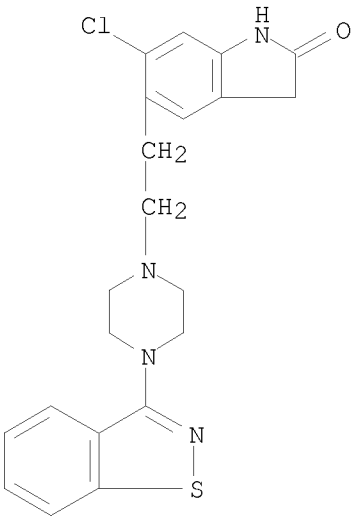


L6 ANSWER 12 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2007:855888 CAPLUS
DN 147:336088
TI Action of novel antipsychotics at human dopamine D3 receptors coupled to G protein and ERK1/2 activation
AU Bruins Slot, Liesbeth A.; Palmier, Christiane; Tardif, Stephanie; Cussac, Didier
CS Department of Cellular and Molecular Biology, Centre de Recherche Pierre Fabre, Castres, F 81106, Fr.
SO Neuropharmacology (2007), 53(2), 232-241
CODEN: NEPHBW; ISSN: 0028-3908
PB Elsevier B.V.
DT Journal
LA English
AB The effects of new generation antipsychotic drugs (APDs) targeting dopamine D2 and serotonin 5-HT1A receptors were compared with typical and atypical APDs on phosphorylation of extracellular signal-regulated kinase 1/2 (ERK 1/2) and measures of G protein activation in CHO cell lines stably expressing the human dopamine D3 receptor. The preferential dopamine D3 agonists (+)-7-OH-DPAT and PD128907, like dopamine and quinelorane, efficaciously stimulated ERK 1/2 phosphorylation at dopamine D3 receptors. In contrast, in [35S]GTPγS binding expts., (+)-7-OH-DPAT exhibited partial agonist properties, while PD128907 and quinelorane maintained full agonist properties. The preferential dopamine D3 ligand BP 897 and the antidyskinetic sarizotan partially activated ERK 1/2 phosphorylation while exerting no agonist activity on GTPγS binding, suggesting signal amplification at the MAP kinase level. Antipsychotics differed in their ability to inhibit both agonist-stimulated GTPγS binding and ERK 1/2 phosphorylation, but all typical and atypical compds. tested acted as dopamine D3 receptor antagonists with the exception of n-desmethylclozapine, the active metabolite of clozapine, which partially activated dopamine D3 receptor-mediated ERK 1/2 phosphorylation. Among the new generation dopamine D2/serotonin 5-HT1A antipsychotics, only F 15063 and SLV313 acted as pure dopamine D3 receptor antagonists, bifeprunox was highly

efficacious whereas SSR181507 and aripiprazole showed marked partial agonist properties for ERK 1/2 phosphorylation. In contrast, in the GTPγS binding study, aripiprazole was devoid of agonist properties and bifeprunox, and to an even lesser extent SSR181507, only weakly stimulated GTPγS binding. In summary, these findings underline the differences of dopamine D3 properties of new generation antipsychotics which may need to be considered in understanding their diverse therapeutic actions.

IT 146939-27-7, Ziprasidone
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(action of novel antipsychotics at human dopamine D3 receptors coupled to G protein and ERK1/2 activation)

RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)

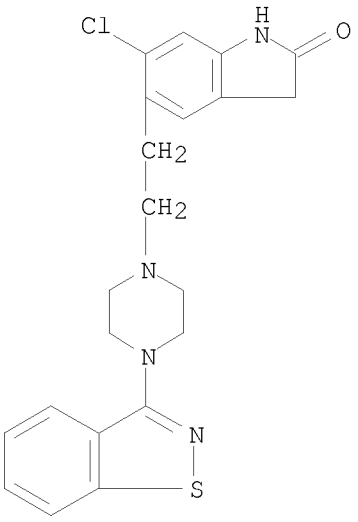


OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2007:795480 CAPLUS
DN 147:211912
TI Preparation of ziprasidone
IN Tang, Chaojun; Yao, Chengzhi
PA Hangzhou Shengmei Pharmaceutical Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 12pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1995038	A	20070711	CN 2006-10125949	20060823
	CN 100491375	C	20090527		

PRAI CN 2006-10052312 A 20060701
OS CASREACT 147:211912; MARPAT 147:211912
AB Said method preps. ziprasidone by reduction of 5-(2-(4-(1,2-benzisothiazol-3-yl)piperazinyl)acetyl)-6-chloro-1,3-dihydro-2H-indol-2-one in organic acid solvent with reducing agent. Said solvent is trichloroacetic acid, trifluoroacetic acid, or trichloropropionic acid. Said reducing agent is trimethylsilane or triethylsilane. The benefits of the method is: high yield, over 85%, simple operation, short reaction time, greatly reduced costs, and produces high purity product with only adjustment of pH, and facilitates industrial production
IT 146939-27-7P, Ziprasidone
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of ziprasidone)
RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

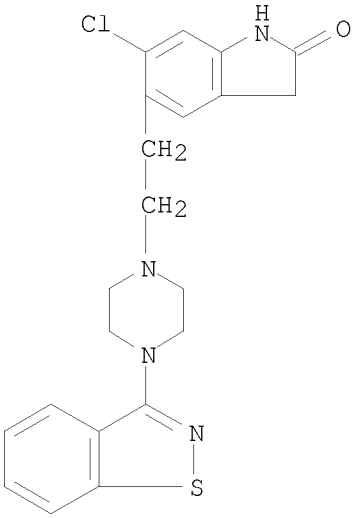
L6 ANSWER 14 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2007:606514 CAPLUS
DN 147:23573
TI Treatment approach in case of Co-morbidity of obsessive-compulsive disorder in schizophrenia: efficacy and side effects of clozapine and chlorimipramine
AU Papazisis, G.; Mastrogianni, A.; Katsigiannopoulos, K.; Karastergiou, A.
CS D'Acute Ward, Psychiatric Hospital of Thessaloniki, Greece
SO Epitheorese Klinikes Farmakologias kai Farmakokinetikes (2007), 25(1), 86-88
CODEN: EKFFEO; ISSN: 1011-6575
PB Pharmakon-Press
DT Journal
LA Greek
AB Treatment of OCD in comorbidity with schizophrenia is a therapeutic challenge because these disorders have notable neurobiol. and neuroanatomical areas of overlap. Atypical antipsychotics have a

paradoxical efficacy in pure OCD but there are some case reports of exacerbation of OCD in schizophrenic patients with comorbid OCD. In our case report a young man who was diagnosed with both schizophrenia (undifferentiated type, continuous) and obsessive - compulsive disorder (Y-BOCS score: 27) was treated with a combination of antipsychotic and antidepressant medication in high daily doses. Clozapine, an atypical antipsychotic, successfully reduced the psychotic symptoms but in doses over 400 mg/day was worsening the OCD (Y-BOCS score 31). Chlorimipramine is suggested to be effective in OCD in doses over 225 mg/day but in our case doses over 150 mg/day resulted to a rapid deterioration of psychotic symptoms. Thus a second atypical antipsychotic (ziprasidone at 160 mg/day) was added in the treatment and a lessening of both the psychotic and the compulsive symptoms to a more tolerable level has been achieved. Clozapine demonstrates binding affinity and antagonism for the D2 dopamine receptors but also for the 5-HT2A and 5-HT2C receptor. The serotonergic (5-HT) system is known to play a major role in OCD, and anti-depressants are effective agents in the treatment of OCD. The finding that long term clozapine use blocks 5-HT2C receptors leads to the hypothesis that supersensitivity of the 5-HT2C receptor may be responsible for clozapine-induced OCD. The paradox is the efficacy of clozapine in the treatment of pure OCD without psychotic symptoms. Thus, patients with comorbid OCD and Schizophrenia may represent a special subtype of schizophrenia population, the schizo-obsessive subtype, which requires distinct therapeutic approaches.

IT 146939-27-7, Ziprasidone
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(efficacy and side effects of clozapine and chlorimipramine for treatment of schizo-obsessive disorder)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



L6 ANSWER 15 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2007:146409 CAPLUS

DN 146:212863
TI Thin-film drug delivery device
IN Hale, Ron L.; Lu, Amy T.; Myers, Daniel J.; Rabinowitz, Joshua D.; Wensley, Martin J.
PA USA
SO U.S. Pat. Appl. Publ., 74pp., Cont.-in-part of U.S. Ser. No. 322,227, abandoned.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 39

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20070031340	A1	20070208	US 2003-633877	20030804
	US 7585493	B2	20090908		
	US 20030051728	A1	20030320	US 2001-57198	20011026
	US 7766013	B2	20100803	US 2001-57197	20011026
	US 20030015197	A1	20030123	US 2002-146088	20020513
	US 7537009	B2	20090526		
	US 20030017115	A1	20030123	US 2002-146516	20020513
	US 6737042	B2	20040518		
	US 20030035776	A1	20030220	US 2002-146515	20020513
	US 6682716	B2	20040127		
	US 20030209240	A1	20031113	US 2002-146086	20020513
	US 20030007933	A1	20030109	US 2002-150267	20020515
	US 6797259	B2	20040928		
	US 20030007934	A1	20030109	US 2002-150268	20020515
	US 6780399	B2	20040824		
	US 20030091511	A1	20030515	US 2002-150056	20020515
	US 6805853	B2	20041019		
	US 20030017117	A1	20030123	US 2002-151596	20020516
	US 6855310	B2	20050215		
	US 20030206869	A1	20031106	US 2002-151626	20020516
	US 6783753	B2	20040831		
	US 20030017116	A1	20030123	US 2002-150857	20020517
	US 6716415	B2	20040406		
	US 20030021753	A1	20030130	US 2002-150591	20020517
	US 6780400	B2	20040824		
	US 20030005924	A1	20030109	US 2002-152652	20020520
	US 6740307	B2	20040525		
	US 20030012740	A1	20030116	US 2002-153139	20020520
	US 6814954	B2	20041109		
	US 20030017118	A1	20030123	US 2002-152639	20020520
	US 6716416	B2	20040406		
	US 20030021754	A1	20030130	US 2002-152640	20020520
	US 6743415	B2	20040601		
	US 20030012737	A1	20030116	US 2002-153311	20020521
	US 6884408	B2	20050426		
	US 20030015189	A1	20030123	US 2002-153831	20020521
	US 6740308	B2	20040525		
	US 20030017119	A1	20030123	US 2002-153839	20020521
	US 6776978	B2	20040817		
	US 20030032638	A1	20030213	US 2002-153313	20020521
	US 20030005925	A1	20030109	US 2002-155621	20020522
	US 6759029	B2	20040706		
	US 20030012738	A1	20030116	US 2002-155373	20020522
	US 6737043	B2	20040518		

US 20030017120	A1	20030123	US 2002-155703	20020522
US 6803031	B2	20041012		
US 20030021755	A1	20030130	US 2002-155705	20020522
US 6805854	B2	20041019		
US 20030000518	A1	20030102	US 2002-155097	20020523
US 6716417	B2	20040406		
US 20030015190	A1	20030123	US 2002-154594	20020523
US 6740309	B2	20040525		
US 20030017114	A1	20030123	US 2002-154765	20020523
US 6814955	B2	20041109		
US 20030118512	A1	20030626	US 2002-280315	20021025
US 20030138382	A1	20030724	US 2002-302010	20021121
US 7078016	B2	20060718		
US 20030138508	A1	20030724	US 2002-322227	20021217
EP 2052753	A1	20090429	EP 2009-2094	20030513
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CN 101623528	A	20100113	CN 2009-10166782	20030513
US 20040099269	A1	20040527	US 2003-718982	20031120
US 7090830	B2	20060815		
US 20040126326	A1	20040701	US 2003-734902	20031212
US 7029658	B2	20060418		
US 20040127481	A1	20040701	US 2003-735198	20031212
US 7008615	B2	20060307		
US 20040126327	A1	20040701	US 2003-735199	20031212
US 7070761	B2	20060704		
US 20040127490	A1	20040701	US 2003-735495	20031212
US 7018619	B2	20060328		
US 20040126329	A1	20040701	US 2003-735497	20031212
US 7070762	B2	20060704		
US 20040156788	A1	20040812	US 2003-749535	20031230
US 7115250	B2	20061003		
US 20040156789	A1	20040812	US 2003-749536	20031230
US 7094392	B2	20060822		
US 20040156790	A1	20040812	US 2003-749783	20031230
US 7078019	B2	20060718		
US 20040156791	A1	20040812	US 2003-750303	20031230
US 7078020	B2	20060718		
US 20050075273	A1	20050407	US 2003-749539	20031230
US 7078018	B2	20060718		
US 20050089479	A1	20050428	US 2003-749537	20031230
US 7078017	B2	20060718		
US 20040184996	A1	20040923	US 2004-766279	20040127
US 7087217	B2	20060808		
US 20040191179	A1	20040930	US 2004-766566	20040127
US 7060254	B2	20060613		
US 20040191181	A1	20040930	US 2004-766634	20040127
US 7070763	B2	20060704		
US 20040191182	A1	20040930	US 2004-766647	20040127
US 7070764	B2	20060704		
US 20040228807	A1	20041118	US 2004-766149	20040127
US 7087216	B2	20060808		
US 20040184997	A1	20040923	US 2004-767115	20040128
US 7052679	B2	20060530		
US 20040184998	A1	20040923	US 2004-768205	20040129
US 7070765	B2	20060704		
US 20040184999	A1	20040923	US 2004-768220	20040129

US 7063830	B2	20060620		
US 20040185000	A1	20040923	US 2004-768293	20040129
US 7067114	B2	20060627		
US 20040185003	A1	20040923	US 2004-769157	20040129
US 7060255	B2	20060613		
US 20040185004	A1	20040923	US 2004-769197	20040129
US 7063831	B2	20060620		
US 20040202617	A1	20041014	US 2004-768281	20040129
US 7169378	B2	20070130		
US 20040185001	A1	20040923	US 2004-769046	20040130
US 7070766	B2	20060704		
US 20040185002	A1	20040923	US 2004-769051	20040130
US 7033575	B2	20060425		
US 20040161385	A1	20040819	US 2004-775586	20040209
US 7048909	B2	20060523		
US 20040167228	A1	20040826	US 2004-775583	20040209
US 7018620	B2	20060328		
US 20040185005	A1	20040923	US 2004-813721	20040331
US 7022312	B2	20060404		
US 20040186130	A1	20040923	US 2004-813722	20040331
US 7063832	B2	20060620		
US 20040191183	A1	20040930	US 2004-814690	20040331
US 7014841	B2	20060321		
US 20040191184	A1	20040930	US 2004-814998	20040331
US 7108847	B2	20060919		
US 20040185006	A1	20040923	US 2004-815527	20040401
US 6994843	B2	20060207		
US 20040185007	A1	20040923	US 2004-816407	20040401
US 7011820	B2	20060314		
US 20040185008	A1	20040923	US 2004-816567	20040401
US 7052680	B2	20060530		
US 20040191185	A1	20040930	US 2004-816492	20040401
US 7008616	B2	20060307		
US 20060153779	A1	20060713	US 2006-370628	20060307
US 7442368	B2	20081028		
US 20060177382	A1	20060810	US 2006-398383	20060404
US 7449172	B2	20081111		
US 20060216243	A1	20060928	US 2006-439475	20060523
US 7465435	B2	20081216		
US 20060216244	A1	20060928	US 2006-442917	20060530
US 7465436	B2	20081216		
US 20060233718	A1	20061019	US 2006-451852	20060613
US 7449173	B2	20081111		
US 20060233719	A1	20061019	US 2006-451853	20060613
US 7485285	B2	20090203		
US 20060239936	A1	20061026	US 2006-454573	20060616
US 7465437	B2	20081216		
US 20060246011	A1	20061102	US 2006-479361	20060630
US 7524484	B2	20090428		
US 20060246012	A1	20061102	US 2006-479509	20060630
US 7507398	B2	20090324		
US 20060251587	A1	20061109	US 2006-479892	20060630
US 7449174	B2	20081111		
US 20060251588	A1	20061109	US 2006-481279	20060705
US 7449175	B2	20081111		
US 20060257328	A1	20061116	US 2006-488302	20060718
US 7488469	B2	20090210		

	US 20060257329	A1	20061116	US 2006-488943	20060718
	US 20060280692	A1	20061214	US 2006-488932	20060718
	US 7601337	B2	20091013		
	US 20060269487	A1	20061130	US 2006-501246	20060807
	US 7510702	B2	20090331		
	US 20060286042	A1	20061221	US 2006-500735	20060807
	US 7445768	B2	20081104		
	US 20070122353	A1	20070531	US 2006-504419	20060815
	US 20060286043	A1	20061221	US 2006-507986	20060822
	US 7491047	B2	20090217		
	US 20070014737	A1	20070118	US 2006-523685	20060919
	US 7507397	B2	20090324		
	US 20070178052	A1	20070802	US 2007-621397	20070109
	US 7468179	B2	20081223		
	US 20070286816	A1	20071213	US 2007-744799	20070504
	AU 2008200911	A1	20080320	AU 2008-200911	20080227
	US 20080175796	A1	20080724	US 2008-57330	20080327
	US 20080311176	A1	20081218	US 2008-117737	20080508
	US 20090246147	A1	20091001	US 2009-413339	20090327
	US 20100181387	A1	20100722	US 2009-628949	20091201
PRAI	US 2001-57197	A2	20011026		
	US 2001-57198	A2	20011026		
	US 2001-332279P	P	20011121		
	US 2001-332280P	P	20011121		
	US 2001-342066P	P	20011218		
	US 2002-371457P	P	20020409		
	US 2002-146080	A2	20020513		
	US 2002-146086	A2	20020513		
	US 2002-146088	A2	20020513		
	US 2002-146515	A2	20020513		
	US 2002-146516	A2	20020513		
	US 2002-150056	A2	20020515		
	US 2002-150267	A2	20020515		
	US 2002-150268	A2	20020515		
	US 2002-151596	A2	20020516		
	US 2002-151626	A2	20020516		
	US 2002-150591	A2	20020517		
	US 2002-150857	A2	20020517		
	US 2002-152639	A2	20020520		
	US 2002-152640	A2	20020520		
	US 2002-152652	A2	20020520		
	US 2002-153139	A2	20020520		
	US 2002-153311	A2	20020521		
	US 2002-153313	B2	20020521		
	US 2002-153831	A2	20020521		
	US 2002-153839	A2	20020521		
	US 2002-155373	A2	20020522		
	US 2002-155621	A2	20020522		
	US 2002-155703	A2	20020522		
	US 2002-155705	A2	20020522		
	US 2002-154594	A2	20020523		
	US 2002-154765	A2	20020523		
	US 2002-155097	A2	20020523		
	US 2002-412068P	P	20020918		
	US 2002-280315	B2	20021025		
	US 2002-302010	A2	20021121		
	US 2002-302614	A2	20021121		

US 2002-322227	B2	20021217
US 2001-294203P	P	20010524
US 2001-296225P	P	20010605
US 2001-317479P	P	20010905
US 2001-335049P	P	20011030
US 2001-336218P	P	20011030
US 2001-345145P	P	20011109
US 2001-345876P	P	20011109
US 2001-345882P	P	20011109
US 2001-332165P	P	20011121
US 2002-50056	B2	20020114
US 2002-57098	A2	20020123
AU 2002-303833	A3	20020521
CN 2003-814156	A3	20030513
EP 2003-734014	A3	20030513
US 2003-633876	A2	20030804
US 2003-633877	A2	20030804
US 2003-718982	A1	20031120
US 2003-734902	A1	20031212
US 2003-735198	A1	20031212
US 2003-735199	A1	20031212
US 2003-735495	A1	20031212
US 2003-735497	A1	20031212
US 2003-749535	A1	20031230
US 2003-749536	A1	20031230
US 2003-749537	A1	20031230
US 2003-749539	A1	20031230
US 2003-749783	A1	20031230
US 2003-750303	A1	20031230
US 2004-766149	A1	20040127
US 2004-766279	A1	20040127
US 2004-766566	A1	20040127
US 2004-766634	A1	20040127
US 2004-766647	A1	20040127
US 2004-768220	A1	20040129
US 2004-768281	A1	20040129
US 2004-769157	A1	20040129
US 2004-769046	A1	20040130
US 2004-775586	A1	20040209
US 2004-813721	A1	20040331
US 2004-814998	A1	20040331
US 2004-816492	A1	20040401
US 2004-816567	A1	20040401
US 2005-283414	B1	20051117
US 2006-488932	A1	20060718
US 2006-488943	B1	20060718
US 2006-460530	B1	20060727
US 2006-504419	A1	20060815
US 2007-687466	B1	20070316

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

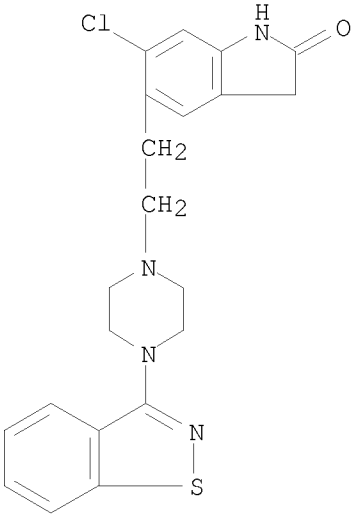
AB An article for use in an aerosol device, for producing an aerosol of a drug composition is disclosed. The article includes a heat-conductive substrate having a surface with a selected surface area, and a drug composition film on the substrate surface having a selected film thickness of 0.05-20 μm. The film thickness is such that an aerosol formed by vaporizing the drug composition by heating the substrate and condensing the vaporized compound contains ≤10% drug-degradation product and at ≥50% of the

total amount of drug composition contained in the film. The selected substrate surface area is such as to yield an effective human therapeutic dose of the drug aerosol. Also disclosed are methods of making and using the article. Betahistine was coated on a metal substrate and heated to 300° to form drug-aerosol particles. Purity of the drug-aerosol particles was determined to be 99.3%.

IT 146939-27-7, Ziprasidone
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(thin-film drug delivery device)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 14 THERE ARE 14 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)

L6 ANSWER 16 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2006:1313532 CAPLUS

DN 146:50578

TI UV spectrophotometric determination of ziprasidone hydrochloride in pure and pharmaceutical formulation

AU Chauhan, C. S.; Choudhury, P. K.

CS Department of Pharmacy, B.N. College of Pharmacy, Udaipur, 313 005, India

SO Asian Journal of Chemistry (2007), 19(1), 819-820
CODEN: AJCHEW; ISSN: 0970-7077

PB Asian Journal of Chemistry

DT Journal

LA English

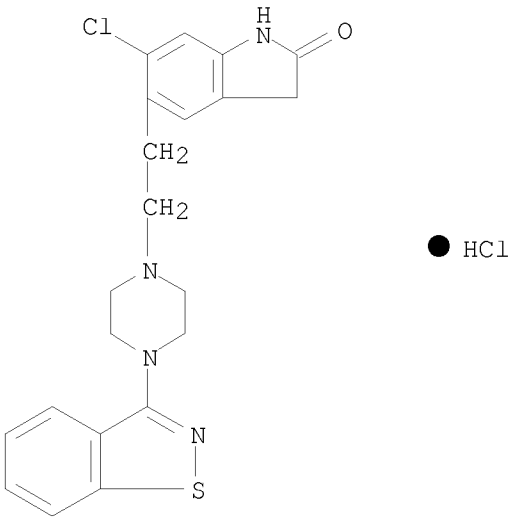
AB Simple and sensitive method was developed for determination of ziprasidone hydrochloride monohydrate (ZPH) in both pure and pharmaceutical formulation. This method obeys Beer's law in the concentration range of 10-70 μg/mL, exhibiting maximum absorption at 318 nm. In this method no interference from the common pharmaceutical excipients was observed

IT 138982-67-9, Ziprasidone hydrochloride monohydrate
RL: ANT (Analyte); ANST (Analytical study)
(UV spectrophotometric determination of ziprasidone HCl)

RN 138982-67-9 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:952669 CAPLUS
DN 145:321805
TI Preparation of acid addition salts of ziprasidone and intermediates thereof by solid phase-gas phase reactions
IN Rey, Allan W.; Derdour, Lofti; Murthy, K.S. Keshava; Datta, Probal Kanti; Ehlert, Martin; Horne, Stephen, E.
PA Apotex Pharmachem Inc., Can.
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006094396	A1	20060914	WO 2006-CA338	20060310

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,

SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

CA 2500667	A1	20060911	CA 2005-2500667		20050311
US 20060205947	A1	20060914	US 2005-168524		20050629
US 7745624	B2	20100629			
EP 1856115	A1	20071121	EP 2006-705291		20060310

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR

PRAI CA 2005-2500667	A	20050311	
WO 2006-CA338	W	20060310	

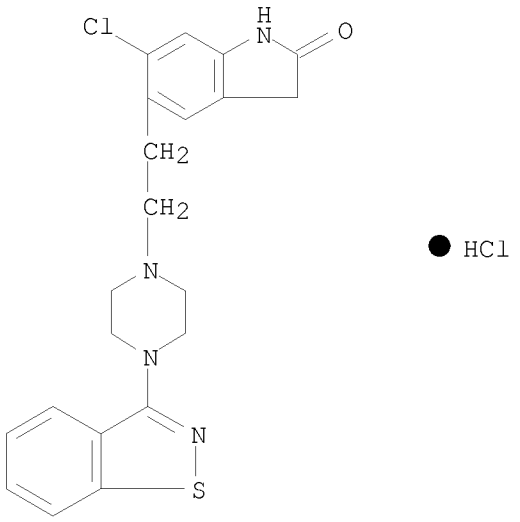
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A process for the preparation of an acid addition salt of ziprasidone base and intermediates thereof comprising exposing the ziprasidone base in solid form to a gaseous acid in a substantially dry environment. The process is solvent free and the gaseous acid is mixed with one or more inert gases. The process produces ziprasidone hydrochloride in high yield and purity and is reliable, consistent and suitable for large scale manufacturing The process can also be used to prepare ziprasidone hydrobromide and ziprasidone acetate.

IT 122883-93-6P, Ziprasidone hydrochloride 909389-55-5P , Ziprasidone hydrobromide 909389-56-6P
RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of acid addition salts of ziprasidone and intermediates thereof by
solid phase-gas phase reactions)

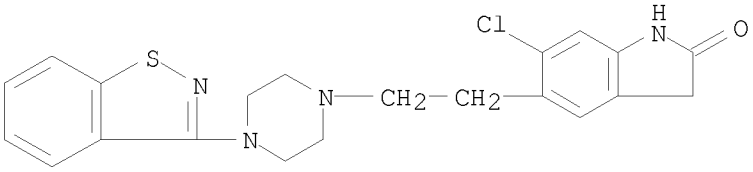
RN 122883-93-6 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RN 909389-55-5 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrobromide (5:8) (CA INDEX NAME)

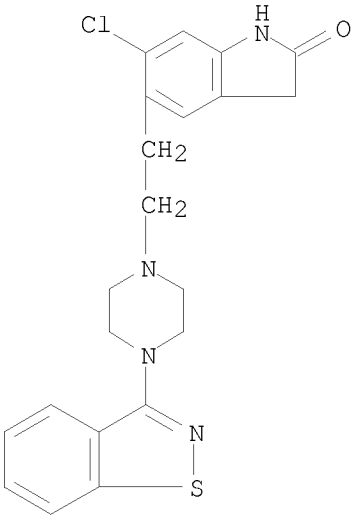


●8/5 HBr

RN 909389-56-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, acetate (1:2) (CA INDEX NAME)

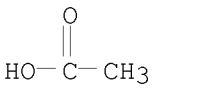
CM 1

CRN 146939-27-7
CMF C21 H21 Cl N4 O S

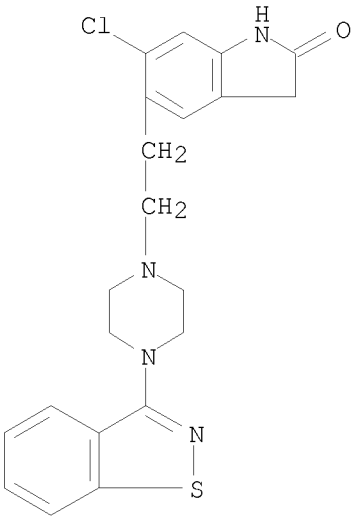


CM 2

CRN 64-19-7
CMF C2 H4 O2



IT 146939-27-7, Ziprasidone
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of acid addition salts of ziprasidone and intermediates thereof by
solid phase-gas phase reactions)
RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:768275 CAPLUS
DN 145:188913
TI Process for preparing ziprasidone using silylated intermediates
IN Reddy, Bandi Parthasaradhi; Reddy, Kura Rathnakar; Reddy, Rapolu Raji; Reddy, Dasari Muralidhara; Reddy, Itiyala Srinivas
PA Hetero Drugs Limited, India
SO PCT Int. Appl., 28pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006080025	A1	20060803	WO 2005-IN30	20050127

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM,
KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG,
KZ, MD, RU, TJ, TM

IN 2005CN00096	A	20070907	IN 2005-CN96		20050127
EP 1841764	A1	20071010	EP 2005-703249		20050127
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR					
US 20090163513	A1	20090625	US 2006-596675		20060621
PRAI WO 2005-IN30	W	20050127			

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

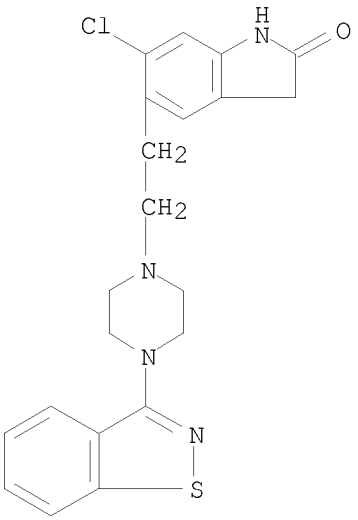
OS CASREACT 145:188913; MARPAT 145:188913

AB A process is described for the preparation of high-purity ziprasidone, pharmaceutically acceptable acid addition salts, solvates, and hydrates, using silylated intermediates, and a purification method is also presented. Thus, 1-(1,2-benzisothiazol-3-yl)piperazine is silylated with trimethylsilylchloride in methylene chloride in the presence of triethylamine and the solvent is distilled off to obtain silylated 1-(1,2-benzisothiazol-3-yl)piperazine. The silylated compound is reacted with 5-(2-chloroethyl)-6-chloro-oxindole in the presence of sodium carbonate to obtain ziprasidone.

IT 146939-27-7P, Ziprasidone
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(process for preparing ziprasidone using silylated intermediates)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)

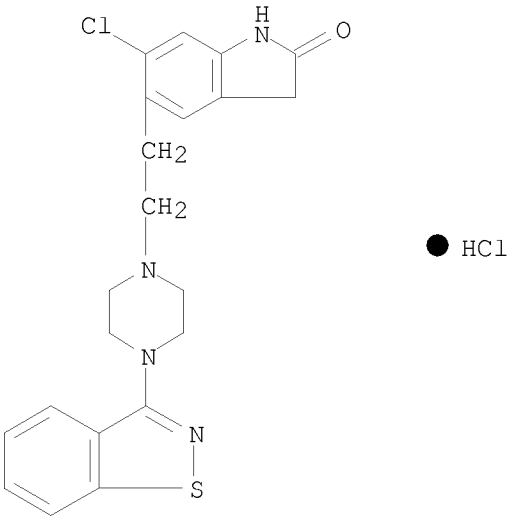


IT 122883-93-6P, Ziprasidone hydrochloride 138982-67-9P, Ziprasidone hydrochloride monohydrate 864175-99-5P, Ziprasidone hydrochloride hemihydrate

RL: SPN (Synthetic preparation); PREP (Preparation)
(process for preparing ziprasidone using silylated intermediates)

RN 122883-93-6 CAPLUS

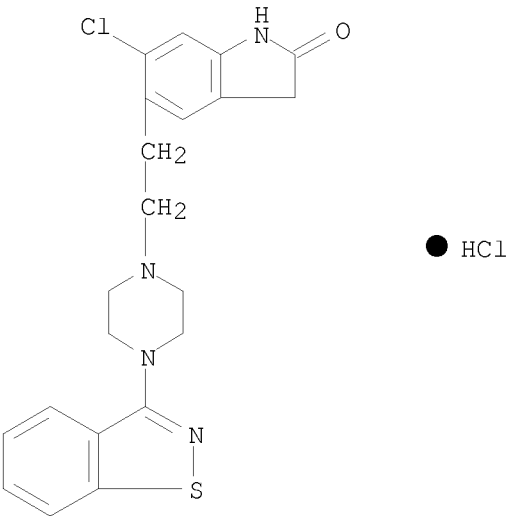
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RN 138982-67-9 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

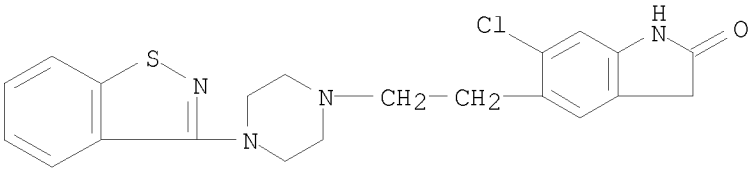
PAGE 1-A



PAGE 2-A

● H_2O

RN 864175-99-5 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (2:2:1) (CA INDEX NAME)



● HCl

● 1/2 H_2O

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 19 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2006:388767 CAPLUS
DN 144:412547
TI Process for the preparation of highly pure ziprasidone hydrochloride
IN Venkataraman, Sundaram; Rao, Uppala Venkata Bhaskara; Muvva, Venkateswarlu; Chitta, Vijayawardhan
PA Dr. Reddy's Laboratories Limited, India; Dr. Reddy's Laboratories, Inc.
SO U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20060089502	A1	20060427	US 2005-259321	20051026
	US 7777037	B2	20100817		
	IN 2005CH01573	A	20070928	IN 2005-CH1573	20051028
PRAI	US 2004-622370P	P	20041027		
	US 2004-630757P	P	20041124		

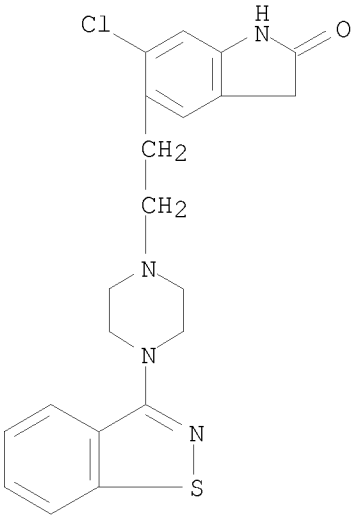
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS CASREACT 144:412547
AB A process for preparing ziprasidone hydrochloride, having low levels of keto ziprasidone and hydroxy ziprasidone impurities, comprises: (A) acylating

6-chloro-1,3-dihydro-2H-indol-2-one with chloroacetyl chloride to form 5-(2-chloroacetyl)-6-chloro-2-oxindole; (B) reducing 5-(2-chloroacetyl)-6-chloro-2-oxindole with an excess of triethylsilane in the presence of a strong acid to form a mixture of 5-(2-chloroethyl)-6-chlorooxindole, 5-(2-chloroacetyl)-6-chloro-2-oxindole, and 5-(2-chlorohydroxylethyl)-6-chlorooxindole; (C) condensing the mixture obtained in step (B) with 3-(1-piperazinyl)-1,2-benzisothiazole to form a mixture of ziprasidone and impurities; (D) purifying the ziprasidone by slurrying, recrystn., or a combination of the two methods; and (E) converting ziprasidone into ziprasidone hydrochloride by neutralization of the free base with HCl.

IT 146939-27-7P, Ziprasidone
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(in a process for the preparation of highly pure ziprasidone hydrochloride)

RN 146939-27-7 CAPLUS

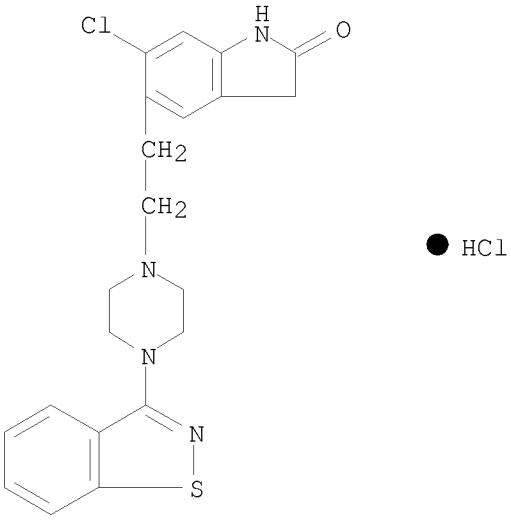
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



IT 122883-93-6P, Ziprasidone hydrochloride
RL: PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(process for the preparation of highly pure ziprasidone hydrochloride)

RN 122883-93-6 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L6 ANSWER 20 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:1004739 CAPLUS
DN 143:286452
TI Condensation process for the preparation of ziprasidone base and its salts
IN Kumar, Yatendra; Prasad, Mohan; Khanna, Mahivir Singh; Ahuja, Seema
PA Ranbaxy Laboratories Limited, India
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005085240	A2	20050915	WO 2005-IB512	20050228
	WO 2005085240	A3	20051201		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1720867	A2	20061115	EP 2005-708625	20050228
	EP 1720867	B1	20091209		
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
	AT 451367	T	20091215	AT 2005-708625	20050228
	PT 1720867	E	20100128	PT 2005-708625	20050228
	ES 2334800	T3	20100316	ES 2005-708625	20050228

	IN 2006DN05543	A	20070803	IN 2006-DN5543	20060922
	US 20080312254	A1	20081218	US 2008-598370	20080825
PRAI	IN 2004-DE307	A	20040227		
	IN 2004-DE1395	A	20040728		
	WO 2005-IB512	W	20050228		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

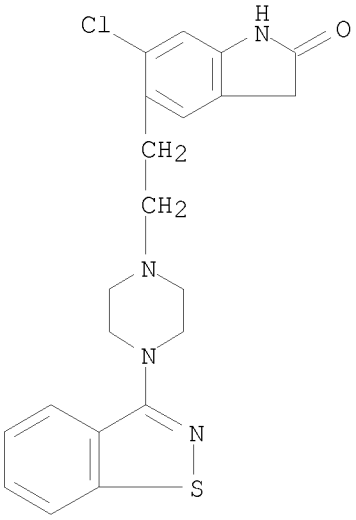
OS CASREACT 143:286452; MARPAT 143:286452

AB Substantially pure ziprasidone and its salts are prepared by the condensation of a 5-(2-leaving-group-substituted-ethyl)-6-chlorooxindole [e.g., 5-(2-chloroethyl)-6-chlorooxindole] with 1-(1,2-benzisothiazol-3-yl)piperazine in the presence of base, heating the mixture to approx. 50°, and isolating ziprasidone base. The preparation of acid addition salts of ziprasidone (e.g., ziprasidone hydrochloride) by neutralization is also described.

IT 146939-27-7P, Ziprasidone
RL: RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(condensation process for the preparation of ziprasidone base and its salts)

RN 146939-27-7 CAPLUS

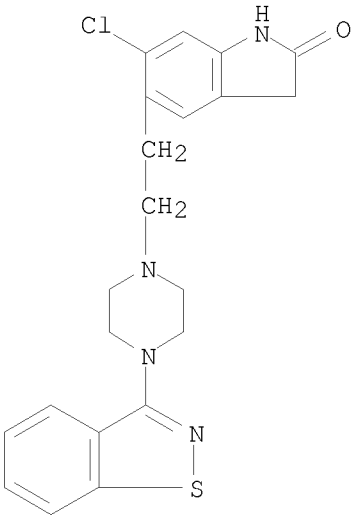
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



IT 122883-93-6P, Ziprasidone hydrochloride
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(condensation process for the preparation of ziprasidone base and its salts)

RN 122883-93-6 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



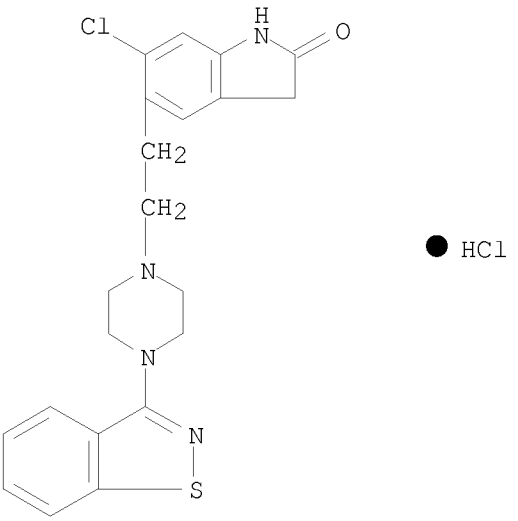
OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 21 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:638720 CAPLUS
DN 143:139204
TI Ziprasidone formulations
IN Boehm, Garth; Dundon, Josephine
PA Alpharma, Inc., USA
SO PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005065660	A2	20050721	WO 2004-US43886	20041223
	WO 2005065660	A3	20070607		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA				
	CA 2552126	A1	20050721	CA 2004-2552126	20041223
	US 20050163858	A1	20050728	US 2004-22041	20041223
	EP 1703898	A2	20060927	EP 2004-815877	20041223
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				

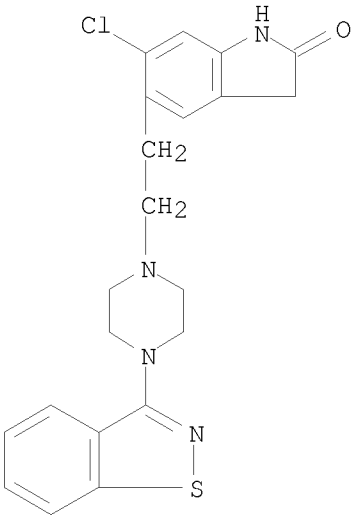
IN 2006DN04394 A 20070615 IN 2006-DN4394 20060728
PRAI US 2003-533594P P 20031231
WO 2004-US43886 W 20041223
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB Ziprasidone formulations, including controlled-release formulations, formulations containing ziprasidone dihydrochloride, and combinations of ziprasidone and an addnl. active agent are described.
IT 138982-67-9 146939-27-7, Geodon
858641-42-6 858641-43-7
RL: PEP (Physical, engineering or chemical process); PKT (Pharmacokinetics); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(ziprasidone formulations)
RN 138982-67-9 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

PAGE 1-A

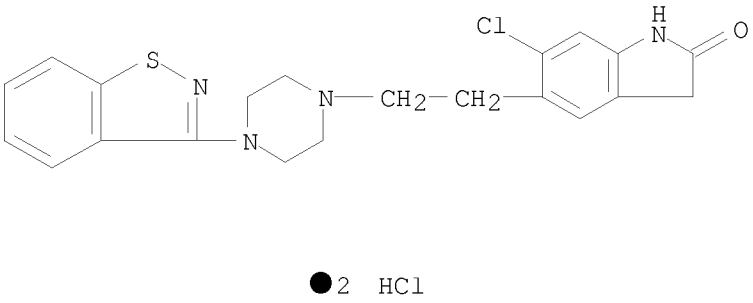


PAGE 2-A

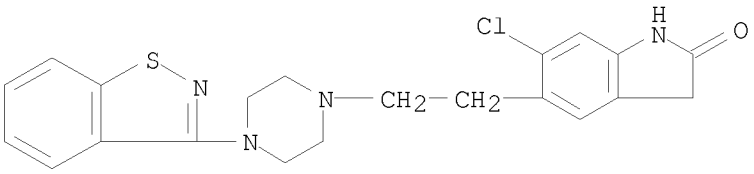
RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



RN 858641-42-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:2) (CA INDEX NAME)



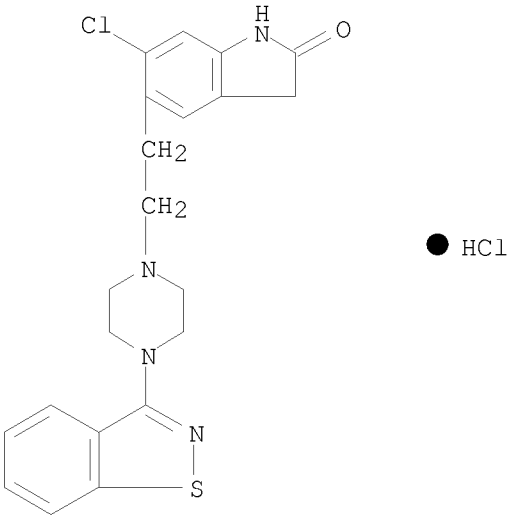
RN 858641-43-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:2:2) (CA INDEX NAME)



● 2 HCl

● 2 H_2O

IT 122883-93-6, Ziprasidone hydrochloride
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(ziprasidone formulations)
RN 122883-93-6 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L6 ANSWER 22 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:638706 CAPLUS
DN 143:159548
TI Donepezil formulations
IN Boehm, Garth; Dundon, Josephine
PA Alpharma, Inc., USA

SO PCT Int. Appl., 99 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005065645	A2	20050721	WO 2004-US42999	20041223
WO 2005065645	A3	20051027		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2552221	A1	20050721	CA 2004-2552221	20041223
US 20050232990	A1	20051020	US 2004-22346	20041223
EP 1776089	A2	20070425	EP 2004-815115	20041223
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
IN 2006DN04397	A	20070713	IN 2006-DN4397	20060728
PRAI US 2003-533496P	P	20031231		
WO 2004-US42999	W	20041223		

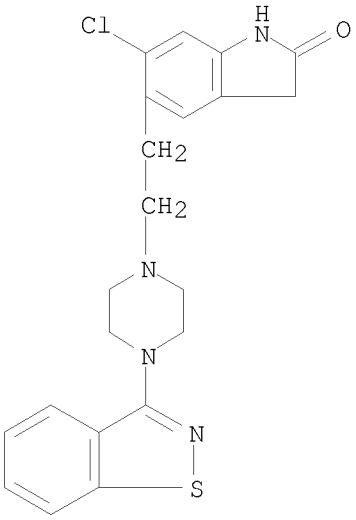
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Donepezil formulations, including amorphous donepezil or pharmaceutically acceptable salts thereof; sustained-release formulations; and donepezil sprinkle formulations are disclosed.

IT 146939-27-7, Ziprasidone
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(donepezil formulations)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2004:430288 CAPLUS
DN 140:429017
TI Drug condensation aerosols and kits
IN Hale, Ron L.; Hodges, Craig C.; Lloyd, Peter M.; Lu, Amy T.; Myers, Daniel J.; Rabinowitz, Joshua D.; Wensley, Martin J.
PA Alexza Molecular Delivery Corporation, USA
SO U.S. Pat. Appl. Publ., 84 pp., Cont.-in-part of U.S. Ser. No. 633,877.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 39

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20040099269	A1	20040527	US 2003-718982	20031120
	US 7090830	B2	20060815		
	US 20030051728	A1	20030320	US 2001-57198	20011026
	US 7766013	B2	20100803	US 2001-57197	20011026
	US 20030015197	A1	20030123	US 2002-146088	20020513
	US 7537009	B2	20090526		
	US 20030017115	A1	20030123	US 2002-146516	20020513
	US 6737042	B2	20040518		
	US 20030035776	A1	20030220	US 2002-146515	20020513
	US 6682716	B2	20040127		
	US 20030209240	A1	20031113	US 2002-146086	20020513
	US 20030007933	A1	20030109	US 2002-150267	20020515
	US 6797259	B2	20040928		
	US 20030007934	A1	20030109	US 2002-150268	20020515
	US 6780399	B2	20040824		
	US 20030091511	A1	20030515	US 2002-150056	20020515
	US 6805853	B2	20041019		
	US 20030017117	A1	20030123	US 2002-151596	20020516

US 6855310 B2 20050215
US 20030206869 A1 20031106 US 2002-151626 20020516
US 6783753 B2 20040831
US 20030017116 A1 20030123 US 2002-150857 20020517
US 6716415 B2 20040406
US 20030021753 A1 20030130 US 2002-150591 20020517
US 6780400 B2 20040824
US 20030005924 A1 20030109 US 2002-152652 20020520
US 6740307 B2 20040525
US 20030012740 A1 20030116 US 2002-153139 20020520
US 6814954 B2 20041109
US 20030017118 A1 20030123 US 2002-152639 20020520
US 6716416 B2 20040406
US 20030021754 A1 20030130 US 2002-152640 20020520
US 6743415 B2 20040601
US 20030012737 A1 20030116 US 2002-153311 20020521
US 6884408 B2 20050426
US 20030015189 A1 20030123 US 2002-153831 20020521
US 6740308 B2 20040525
US 20030017119 A1 20030123 US 2002-153839 20020521
US 6776978 B2 20040817
US 20030032638 A1 20030213 US 2002-153313 20020521
US 20030005925 A1 20030109 US 2002-155621 20020522
US 6759029 B2 20040706
US 20030012738 A1 20030116 US 2002-155373 20020522
US 6737043 B2 20040518
US 20030017120 A1 20030123 US 2002-155703 20020522
US 6803031 B2 20041012
US 20030021755 A1 20030130 US 2002-155705 20020522
US 6805854 B2 20041019
US 20030000518 A1 20030102 US 2002-155097 20020523
US 6716417 B2 20040406
US 20030015190 A1 20030123 US 2002-154594 20020523
US 6740309 B2 20040525
US 20030017114 A1 20030123 US 2002-154765 20020523
US 6814955 B2 20041109
US 20030118512 A1 20030626 US 2002-280315 20021025
WO 2003045484 A2 20030605 WO 2002-US37491 20021121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2002364508 A1 20030610 AU 2002-364508 20021121
US 20030138382 A1 20030724 US 2002-302010 20021121
US 7078016 B2 20060718
US 20030138508 A1 20030724 US 2002-322227 20021217
EP 2052753 A1 20090429 EP 2009-2094 20030513
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR
CN 101623528 A 20100113 CN 2009-10166782 20030513
US 20070031340 A1 20070208 US 2003-633877 20030804

US 7585493	B2	20090908		
US 7645442	B2	20100112	US 2003-633876	20030804
US 20040126326	A1	20040701	US 2003-734902	20031212
US 7029658	B2	20060418		
US 20040127481	A1	20040701	US 2003-735198	20031212
US 7008615	B2	20060307		
US 20040126327	A1	20040701	US 2003-735199	20031212
US 7070761	B2	20060704		
US 20040127490	A1	20040701	US 2003-735495	20031212
US 7018619	B2	20060328		
US 20040126329	A1	20040701	US 2003-735497	20031212
US 7070762	B2	20060704		
US 20040156788	A1	20040812	US 2003-749535	20031230
US 7115250	B2	20061003		
US 20040156789	A1	20040812	US 2003-749536	20031230
US 7094392	B2	20060822		
US 20040156790	A1	20040812	US 2003-749783	20031230
US 7078019	B2	20060718		
US 20040156791	A1	20040812	US 2003-750303	20031230
US 7078020	B2	20060718		
US 20050075273	A1	20050407	US 2003-749539	20031230
US 7078018	B2	20060718		
US 20050089479	A1	20050428	US 2003-749537	20031230
US 7078017	B2	20060718		
US 20040184996	A1	20040923	US 2004-766279	20040127
US 7087217	B2	20060808		
US 20040191179	A1	20040930	US 2004-766566	20040127
US 7060254	B2	20060613		
US 20040191181	A1	20040930	US 2004-766634	20040127
US 7070763	B2	20060704		
US 20040191182	A1	20040930	US 2004-766647	20040127
US 7070764	B2	20060704		
US 20040228807	A1	20041118	US 2004-766149	20040127
US 7087216	B2	20060808		
US 20040184997	A1	20040923	US 2004-767115	20040128
US 7052679	B2	20060530		
US 20040184998	A1	20040923	US 2004-768205	20040129
US 7070765	B2	20060704		
US 20040184999	A1	20040923	US 2004-768220	20040129
US 7063830	B2	20060620		
US 20040185000	A1	20040923	US 2004-768293	20040129
US 7067114	B2	20060627		
US 20040185003	A1	20040923	US 2004-769157	20040129
US 7060255	B2	20060613		
US 20040185004	A1	20040923	US 2004-769197	20040129
US 7063831	B2	20060620		
US 20040202617	A1	20041014	US 2004-768281	20040129
US 7169378	B2	20070130		
US 20040185001	A1	20040923	US 2004-769046	20040130
US 7070766	B2	20060704		
US 20040185002	A1	20040923	US 2004-769051	20040130
US 7033575	B2	20060425		
US 20040161385	A1	20040819	US 2004-775586	20040209
US 7048909	B2	20060523		
US 20040167228	A1	20040826	US 2004-775583	20040209
US 7018620	B2	20060328		
US 20040185005	A1	20040923	US 2004-813721	20040331

US 7022312	B2	20060404		
US 20040186130	A1	20040923	US 2004-813722	20040331
US 7063832	B2	20060620		
US 20040191183	A1	20040930	US 2004-814690	20040331
US 7014841	B2	20060321		
US 20040191184	A1	20040930	US 2004-814998	20040331
US 7108847	B2	20060919		
US 20040185006	A1	20040923	US 2004-815527	20040401
US 6994843	B2	20060207		
US 20040185007	A1	20040923	US 2004-816407	20040401
US 7011820	B2	20060314		
US 20040185008	A1	20040923	US 2004-816567	20040401
US 7052680	B2	20060530		
US 20040191185	A1	20040930	US 2004-816492	20040401
US 7008616	B2	20060307		
US 20060153779	A1	20060713	US 2006-370628	20060307
US 7442368	B2	20081028		
US 20060177382	A1	20060810	US 2006-398383	20060404
US 7449172	B2	20081111		
US 20060216243	A1	20060928	US 2006-439475	20060523
US 7465435	B2	20081216		
US 20060216244	A1	20060928	US 2006-442917	20060530
US 7465436	B2	20081216		
US 20060233718	A1	20061019	US 2006-451852	20060613
US 7449173	B2	20081111		
US 20060233719	A1	20061019	US 2006-451853	20060613
US 7485285	B2	20090203		
US 20060239936	A1	20061026	US 2006-454573	20060616
US 7465437	B2	20081216		
US 20060246011	A1	20061102	US 2006-479361	20060630
US 7524484	B2	20090428		
US 20060246012	A1	20061102	US 2006-479509	20060630
US 7507398	B2	20090324		
US 20060251587	A1	20061109	US 2006-479892	20060630
US 7449174	B2	20081111		
US 20060251588	A1	20061109	US 2006-481279	20060705
US 7449175	B2	20081111		
US 20060257328	A1	20061116	US 2006-488302	20060718
US 7488469	B2	20090210		
US 20060257329	A1	20061116	US 2006-488943	20060718
US 20060280692	A1	20061214	US 2006-488932	20060718
US 7601337	B2	20091013		
US 20060269487	A1	20061130	US 2006-501246	20060807
US 7510702	B2	20090331		
US 20060286042	A1	20061221	US 2006-500735	20060807
US 7445768	B2	20081104		
US 20070122353	A1	20070531	US 2006-504419	20060815
US 20060286043	A1	20061221	US 2006-507986	20060822
US 7491047	B2	20090217		
US 20070014737	A1	20070118	US 2006-523685	20060919
US 7507397	B2	20090324		
US 20070178052	A1	20070802	US 2007-621397	20070109
US 7468179	B2	20081223		
US 20070286816	A1	20071213	US 2007-744799	20070504
AU 2008200911	A1	20080320	AU 2008-200911	20080227
US 20080175796	A1	20080724	US 2008-57330	20080327
US 20080311176	A1	20081218	US 2008-117737	20080508

	US 20090246147	A1	20091001	US 2009-413339	20090327
	US 20100181387	A1	20100722	US 2009-628949	20091201
PRAI	US 2001-57197	A2	20011026		
	US 2001-57198	A2	20011026		
	US 2001-332165P	P	20011121		
	US 2001-332279P	P	20011121		
	US 2001-332280P	P	20011121		
	US 2001-342066P	P	20011218		
	US 2002-50056	B2	20020114		
	US 2002-57098	A2	20020123		
	US 2002-371457P	P	20020409		
	US 2002-146080	A2	20020513		
	US 2002-146086	A2	20020513		
	US 2002-146088	A2	20020513		
	US 2002-146515	A2	20020513		
	US 2002-146516	A2	20020513		
	US 2002-150056	A2	20020515		
	US 2002-150267	A2	20020515		
	US 2002-150268	A2	20020515		
	US 2002-151596	A2	20020516		
	US 2002-151626	A2	20020516		
	US 2002-150591	A2	20020517		
	US 2002-150857	A2	20020517		
	US 2002-152639	A2	20020520		
	US 2002-152640	A2	20020520		
	US 2002-152652	A2	20020520		
	US 2002-153139	A2	20020520		
	US 2002-153311	A2	20020521		
	US 2002-153313	B2	20020521		
	US 2002-153831	A2	20020521		
	US 2002-153839	A2	20020521		
	US 2002-155373	A2	20020522		
	US 2002-155621	A2	20020522		
	US 2002-155703	A2	20020522		
	US 2002-155705	A2	20020522		
	US 2002-154594	A2	20020523		
	US 2002-154765	A2	20020523		
	US 2002-155097	A2	20020523		
	US 2002-412068P	P	20020918		
	US 2002-280315	A2	20021025		
	US 2002-302010	A2	20021121		
	US 2002-302614	A2	20021121		
	US 2002-322227	A2	20021217		
	US 2003-633876	A2	20030804		
	US 2003-633877	A2	20030804		
	US 2001-294203P	P	20010524		
	US 2001-296225P	P	20010605		
	US 2001-317479P	P	20010905		
	US 2001-335049P	P	20011030		
	US 2001-336218P	P	20011030		
	US 2001-345145P	P	20011109		
	US 2001-345876P	P	20011109		
	US 2001-345882P	P	20011109		
	AU 2002-303833	A3	20020521		
	WO 2002-US37491	W	20021121		
	CN 2003-814156	A3	20030513		
	EP 2003-734014	A3	20030513		

US 2003-718982	A1	20031120
US 2003-734902	A1	20031212
US 2003-735198	A1	20031212
US 2003-735199	A1	20031212
US 2003-735495	A1	20031212
US 2003-735497	A1	20031212
US 2003-749535	A1	20031230
US 2003-749536	A1	20031230
US 2003-749537	A1	20031230
US 2003-749539	A1	20031230
US 2003-749783	A1	20031230
US 2003-750303	A1	20031230
US 2004-766149	A1	20040127
US 2004-766279	A1	20040127
US 2004-766566	A1	20040127
US 2004-766634	A1	20040127
US 2004-766647	A1	20040127
US 2004-768220	A1	20040129
US 2004-768281	A1	20040129
US 2004-769157	A1	20040129
US 2004-769046	A1	20040130
US 2004-775586	A1	20040209
US 2004-813721	A1	20040331
US 2004-814998	A1	20040331
US 2004-816492	A1	20040401
US 2004-816567	A1	20040401
US 2005-283414	B1	20051117
US 2006-488932	A1	20060718
US 2006-488943	B1	20060718
US 2006-460530	B1	20060727
US 2006-504419	A1	20060815
US 2007-687466	B1	20070316

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

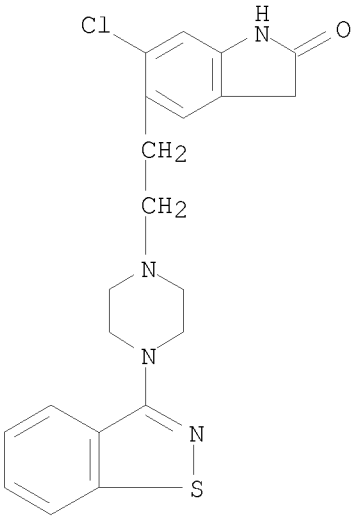
AB The present invention provides novel condensation aerosols for the treatment of disease and/or intermittent or acute conditions. These condensation aerosols have little or no pyrolysis degradation products and are characterized by having an MMAD of between 1-3 μ. The aerosols are made by rapidly heating a substrate coated with a thin film of drug having a thickness of between 0.05 and 20 μm, while passing a gas over the film, to form particles of a desirable particle size for inhalation. Kits comprising a drug and a device for producing a condensation aerosol are also provided. The device contained in the kit typically, has an element for heating the drug which is coated as a film on the substrate and contains a therapeutically ED of a drug when the drug is administered in aerosol form, and an element allowing the vapor to cool to form an aerosol. Also disclosed, are methods for using these aerosols and kits. For example, acebutolol (MW 336, m.p. 123°, oral dose 400 mg), a β-adrenergic blocker (cardiovascular agent), was coated on a stainless steel cylinder (8 cm). The drug (0.89 mg) was applied to the substrate, for a calculated drug film thickness of 1.1 μm. The substrate was heated at 20.5 V and purity of the drug aerosol particles was determined to be 98.9%; 0.53 mg was recovered from the filter after vaporization, for a percent yield of 59.6%. A total mass of 0.81 mg was recovered from the test apparatus and substrate, for a total recovery of 91%. High speed photographs were taken as the drug-coated substrate was heated to monitor visually formation of a thermal vapor. The photographs showed that a thermal vapor was initially visible 30 ms after heating was

initiated, with the majority of the thermal vapor formed by 130 ms. Generation of the thermal vapor was complete by 500 ms.

IT 146939-27-7, Ziprasidone
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(drug condensation aerosols and kits for inhalation therapy)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

L6 ANSWER 24 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:375366 CAPLUS

DN 141:355530

TI Stability indicating reversed-phase high-performance liquid chromatographic and thin layer densitometric methods for the determination of ziprasidone in bulk powder and in pharmaceutical formulations

AU El-Sherif, Zeinab A.; El-Zeany, Badr; El-Houssini, Ola M.; Rashed, Mohamed S.; Aboul-Enein, Hassan Y.

CS National Organization for Drug Control and Research, Cairo, Egypt

SO Biomedical Chromatography (2004), 18(3), 143-149
CODEN: BICHE2; ISSN: 0269-3879

PB John Wiley & Sons Ltd.

DT Journal

LA English

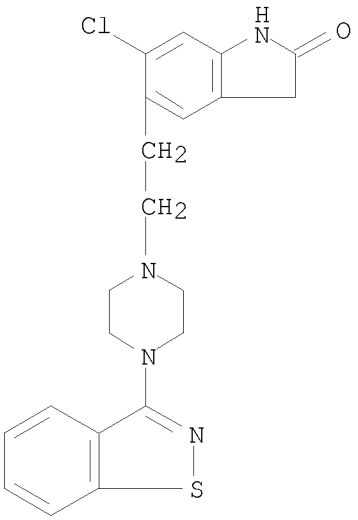
AB Two sensitive and reproducible methods were developed and validated for the determination of ziprasidone (ZIP) in the presence of its degradation products in pure form and in pharmaceutical formulations. The 1st method was based on a reversed-phase HPLC method with a Lichrosorb RP C18 column and H2O-MeCN-H3PO4 (76:24:0.5) as the mobile phase at a flow rate of 1.5 mL min-1 at ambient temperature Quantification was achieved with UV detection at 229 nm over a concentration range of 10-500 μg mL-1 with mean percentage recovery of 99.71. The method retained its accuracy in presence of up to

90% of ZIP degradation products. The 2nd method was based on TLC separation of ZIP
from its degradation products followed by densitometric measurement of the intact drug spot at 247 nm. The separation was carried out on aluminum sheet of silica gel 60 F254 using CHCl3-MeOH-HOAc (75:5:4.5) as the mobile phase, over a concentration range of 1-10 μg/spot and mean percentage recovery of 99.26. Both methods were applied successfully to laboratory prepared mixts. and pharmaceutical capsules.

IT 146939-27-7, Ziprasidone
RL: ANT (Analyte); ANST (Analytical study)
(reversed-phase HPLC and TLC for determination of ziprasidone in pharmaceutical
formulations)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 27 THERE ARE 27 CAPLUS RECORDS THAT CITE THIS RECORD (27 CITINGS)
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 25 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2003:5811 CAPLUS
DN 138:78458
TI Pharmaceutical compositions containing a solid dispersion of a poorly-soluble drug in a matrix and a solubility-enhancing polymer
IN Babcock, Walter Christian; Curatolo, William John; Friesen, Dwayne Thomas; Ketner, Rodney James; Lo, Julian Belknap; Nightingale, James Alan Schriver; Shanker, Ravi Mysore; West, James Blair
PA Pfizer Products Inc., USA
SO PCT Int. Appl., 212 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	WO 2003000294	A1	20030103	WO 2002-IB1800	20020513
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2448864	A1	20030103	CA 2002-2448864	20020513
	CA 2448864	C	20080422		
	AU 2002304387	A1	20030108	AU 2002-304387	20020513
	EP 1401503	A1	20040331	EP 2002-733019	20020513
	EP 1401503	B1	20070509		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2002010520	A	20040622	BR 2002-10520	20020513
	JP 2005500313	T	20050106	JP 2003-506936	20020513
	AT 361758	T	20070615	AT 2002-733019	20020513
	ES 2284871	T3	20071116	ES 2002-733019	20020513
	US 20030104063	A1	20030605	US 2002-175640	20020619
	MX 2003011922	A	20040326	MX 2003-11922	20031218
	US 20090011024	A1	20090108	US 2008-217700	20080708
PRAI	US 2001-300261P	P	20010622		
	WO 2002-IB1800	W	20020513		
	US 2002-175640	B1	20020619		

AB A pharmaceutical composition comprises a dispersion containing a low-solubility drug and a matrix combined with a concentration-enhancing polymer. At least a major portion of the drug is amorphous in the dispersion. The compns. improve the stability of the drug in the dispersion, and/or the concentration of drug in a use environment. For example, a solid drug/matrix dispersion comprised of 10% 3,5-dimethyl-4-(3'-pentoxy)-2-(2',4',6'-trimethylphenoxy)pyridine and 90% polyethylene glycol was prepared by a melt-congeal process. The solid drug/matrix dispersion was then combined with the concentration-enhancing polymer hydroxypropyl Me cellulose acetate succinate (HPMCAS). Addition of HPMCAS increased maximum concentration of drug in solution during the first 90 min (Cmax90) and the area under the aqueous concentration vs. time curve after 90 min (AUC90) by 1.12-fold and 1.19-fold, resp., compared to the solid drug/matrix dispersion with no concentration-enhancing polymer and by 2.38-fold and 2.25-fold, resp., compared to pure drug.

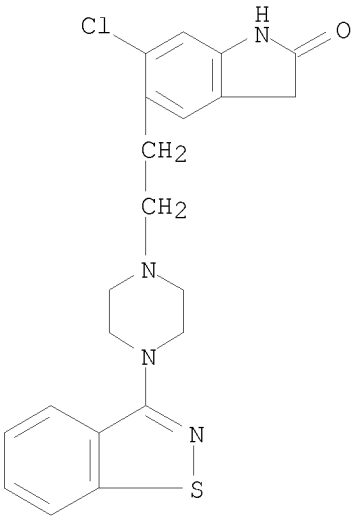
IT 185021-64-1
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compns. containing poorly-soluble drug/matrix solid dispersion and solubility-enhancing polymer)

RN 185021-64-1 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, methanesulfonate (1:1) (CA INDEX NAME)

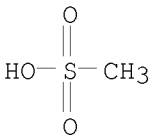
CM 1

CRN 146939-27-7
CMF C21 H21 Cl N4 O S



CM 2

CRN 75-75-2
CMF C H4 O3 S



OSC.G 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (15 CITINGS)
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

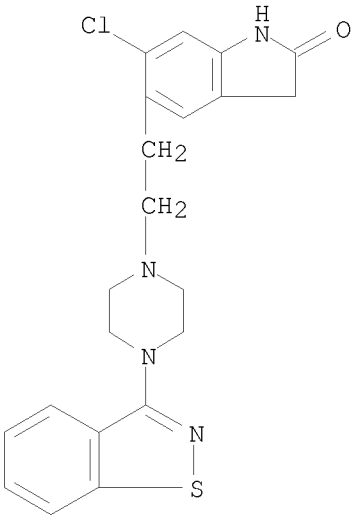
L6 ANSWER 26 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2000:295079 CAPLUS
DN 133:114944
TI Characterization of dopaminergic compounds at hD2short, hD4.2 and hD4.7 receptors in agonist-stimulated [35S]GTPγS binding assays
AU Gilliland, S. L.; Alper, R. H.
CS Toxicology and Therapeutics, Department of Pharmacology, University of Kansas Medical Center, Kansas City, KS, 66160-7417, USA
SO Naunyn-Schmiedeberg's Archives of Pharmacology (2000), 361(5), 498-504
CODEN: NSAPCC; ISSN: 0028-1298
PB Springer-Verlag
DT Journal
LA English
AB Dopamine receptor agonists and antagonists have been extensively

characterized in radioligand binding assays; only a limited number of labs. have characterized them using a functional assay at multiple receptor subtypes. Expts. were designed to assess four agonists and seven antagonists at three cloned human dopamine receptors using agonist-stimulated [35S]GTPγS binding assays in membranes to quantify the initial cellular event following ligand/receptor interaction. In this model there is constitutive G protein activity (agonist-independent [35S]GTPγS binding) and potentially constitutive dopamine receptor activity. Thus, discrimination between silent antagonists, partial agonists and inverse agonists is theor. possible. It was anticipated that distinctions could be made regarding efficacy of the seven receptor antagonists to provide insight regarding the therapeutic use of antipsychotic drugs.In membranes prepared from CHO cells transfected to express high densities of human D2short, D4.2 or D4.7 receptors, the dopamine receptor agonists apomorphine, pergolide, quinelorane and quinpirole produced concentration-dependent increases in agonist-stimulated [35S]GTPγS binding. At the hD2short receptor, pergolide and apomorphine were essentially equipotent and more potent than quinelorane and quinpirole; all four agonists displayed similar efficacy at this receptor. At the hD4.2 and the hD4.7 receptors apomorphine was the most potent and pergolide the least efficacious of the four drugs. The ability (both potency and efficacy) of clozapine, haloperidol, olanzapine, quetiapine, risperidone, spiperone and ziprasidone to block apomorphine-stimulated [35S]GTPγS binding and alter basal [35S]GTPγS binding was also assessed. All of the antagonists inhibited apomorphine-stimulated [35S]GTPγS binding with potencies (Kb values) similar to and in rank order consistent with their affinities reported in the literature using radioligand binding assays. Addnl., none of the antagonists altered basal, agonist-independent [35S]GTPγS binding, thus they behaved as pure, silent antagonists at D2short, D4.2 and D4.7 receptors under our conditions. In summary, the data suggest that therapeutic distinctions between typical and atypical antipsychotic drugs cannot be made based on their function at D2short, D4.2 and D4.7 subtypes of dopamine receptors.

IT 146939-27-7, Ziprasidone
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(characterization of dopaminergic compds. at hD2short, hD4.2 and hD4.7 receptors in agonist-stimulated [35S]GTPγS binding assays)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 13 THERE ARE 13 CAPLUS RECORDS THAT CITE THIS RECORD (13 CITINGS)
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 27 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2000:290839 CAPLUS
DN 132:303503
TI Compositions and methods employing r(-) fluoxetine and other active ingredients
IN Barberich, Timothy J.; Rubin, Paul D.; Handley, Dean A.
PA Sepracor Inc., USA
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000024399	A1	20000504	WO 1999-US24970	19991022
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 20020151543	A1	20021017	US 2002-158886	20020603
PRAI	US 1998-177703	A	19981023		
	US 1998-86262	B2	19980528		
	US 2000-664732	B3	20000919		

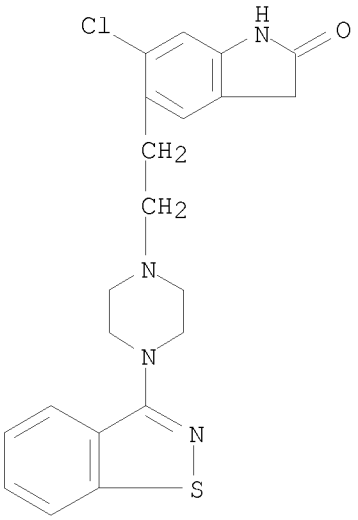
AB Pharmaceutical compns. which comprise R(-)-fluoxetine and one or more other biol. active compds. are disclosed. Methods of treating or preventing a disease or disorder, especially a psychotic or psychiatric disease or disorder, using the above pharmaceutical composition or by administering a R(-)-fluoxetine in combination with one or more other biol. active compds.

are also disclosed. Methods of treating patients having or at risk of having AIDS or HIV infection, cancer, cardiac disorder, post-myocardial depression and posttraumatic stress disorder using optically pure R(-) fluoxetine in combination with one or more other biol. active compds. are further disclosed.

IT 146939-27-7, Ziprasidone
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(R(-)-fluoxetine and benzodiazepine combinations for treatment of psychotic disorders)

RN 146939-27-7 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



OSC.G 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 28 OF 28 CAPLUS COPYRIGHT 2010 ACS on STN
AN 1994:483379 CAPLUS
DN 121:83379
OREF 121:14993a,14996a
TI Process for preparing aryl piperazinyl-heterocyclic compounds useful as neuroleptics
IN Bowles, Paul; Busch, Frank R.; Allen, Douglas J. M.; Diroma, Sabeto A.; Godek, Dennis M.
PA Pfizer Inc., USA
SO Can. Pat. Appl., 14 pp.
CODEN: CPXXEB
DT Patent
LA English
FAN.CNT 3

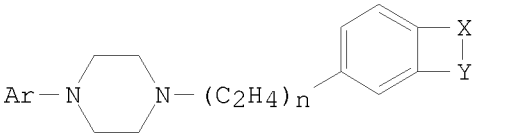
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2095587	A1	19940227	CA 1993-2095587	19930505

	CA 2095587	C	20000208		
	US 5206366	A	19930427	US 1992-936179	19920826
	US 5312925	A	19940517	US 1992-939204	19920901
	US 5338846	A	19940816	US 1993-49905	19930420
PRAI	US 1992-936179	A	19920826		
	US 1992-939204	A	19920901		
	US 1993-49905	A	19930420		

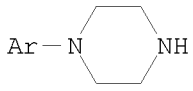
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS CASREACT 121:83379; MARPAT 121:83379

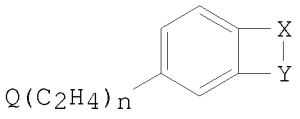
GI



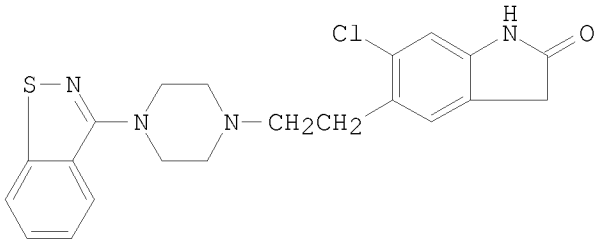
I



II



III



IV

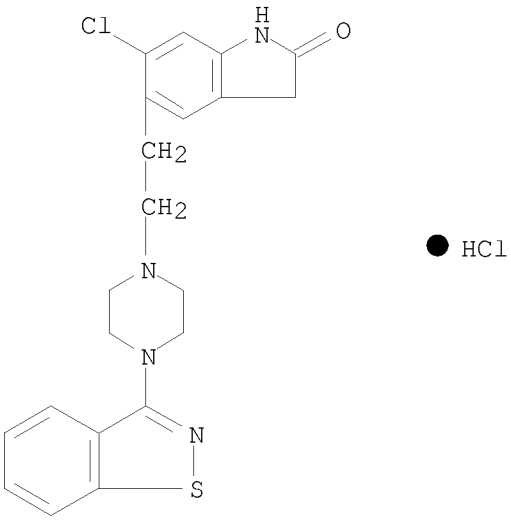
AB A process is claimed, for preparing neuroleptic (no data) title compds. I [Ar = (un)substituted naphthyl, quinolyl, 6-hydroxy-8-quinolyl, isoquinolyl, quinazolyl, benzoisothiazolyl, or an oxide or dioxide thereof, benzothiazolyl, benzothiadiazolyl, benzotriazolyl, benzoxazolyl, benzoxazolonyl, indolyl, (di)(fluoro)indanyl, 3-indazolyl, or phthalazinyl; n = 1 or 2; X and Y = atoms to form 2nd ring of ring system selected from (un)substituted quinolyl, 2-hydroquinolyl, benzothiazolyl, 2-aminobenzothiazolyl, benzoisothiazolyl, indazolyl, 2-hydroxyindazolyl, indolyl, spiro[cyclopentane-1,3'-indolinyl], and oxindolyl]. The method involves treatment of an arylpiperazine II or its mono-HZ salt (Z = F, Cl, Br, iodo, MeSO3, CF3SO3, CF3CO2) with an alkyl halide III (Q = F, Cl, Br, iodo) and a reagent to neutralize hydrohalic acid, heating the mixture under suitable conditions to effect coupling, and, if desired, preparing a pharmaceutically acceptable salt. This aqueous method gives improved yields, eliminates handling and disposal of organic solvents, and neither gives byproducts nor requires special isolation procedures such as extraction, distillation, or recrystn. For example, a mixture of 3-(1-piperazinyl)-1,2-benzisothiazole, 5-(2-chloroethyl)-6-chlorooxindole, and Na2CO3 in H2O was refluxed for 9–12 h, cooled, and filtered to give title compound IV (91% yield, 94.5% purity), also converted to its

HCl salt (86% yield, 99.5% purity). In another example, IV was similarly obtained on a 9-kg scale, with 83.8% recrystd. (THF) yield and 99.7% purity.

IT 122883-93-6P, 5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl)ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one hydrochloride 138982-67-9P, 5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl)ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one hydrochloride monohydrate 146939-27-7P, 5-[2-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl)ethyl]-6-chloro-1,3-dihydro-2H-indol-2-one
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, via coupling of piperazinylbenzisothiazole with (chloroethyl)chlorooxindole in water)

RN 122883-93-6 CAPLUS

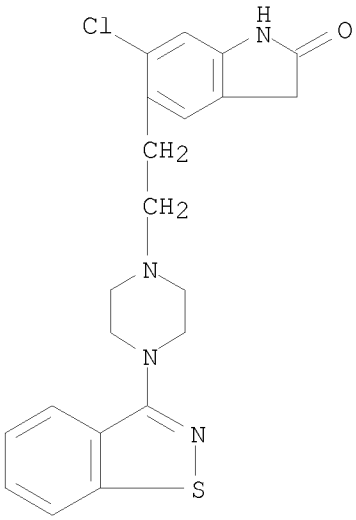
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride (1:1) (CA INDEX NAME)



RN 138982-67-9 CAPLUS

CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

PAGE 1-A

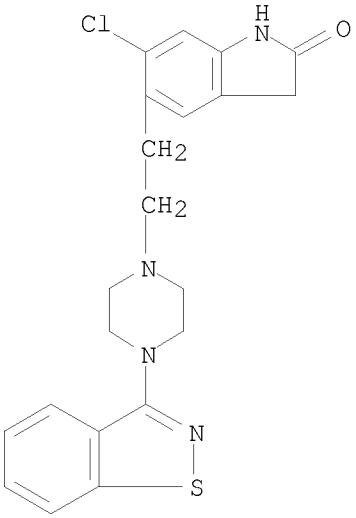


● HCl

PAGE 2-A

● H_2O

RN 146939-27-7 CAPLUS
CN 2H-Indol-2-one, 5-[2-[4-(1,2-benzisothiazol-3-yl)-1-piperazinyl]ethyl]-6-chloro-1,3-dihydro- (CA INDEX NAME)



=> log h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	183.42	381.17

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.80	-23.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 17:03:07 ON 30 DEC 2010